

CONTRAINDICATIONS AND WARNINGS
Amnesteem must not be used by female patients who are or may become pregnant. There is an extremely high risk that severe birth defects will result if pregnancy occurs while taking Amnesteem in any amount, even for short periods of time. Potentially any fetus exposed during pregnancy can be affected. There are no accurate means of determining whether an exposed fetus has been affected.

Birth defects which have been documented following Amnesteem exposure include abnormalities of the face, eyes, ears, skull, central nervous system, cardiovascular system, and thymus and parathyroid glands. Cases of 13-cis-retinoic acid (13-cis-RA) related abnormalities have been reported. There is an increased risk of spontaneous abortion and premature births have been reported.

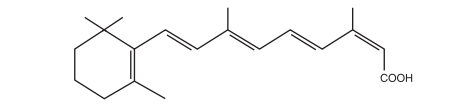
Documented external abnormalities include: skull abnormality, ear abnormalities (including aural atresia, microtia, small or absent external auditory canals), eye abnormalities (including microphthalmia), facial dysmorphism, cleft palate. Documented internal abnormalities include: CNS abnormalities (including cerebellar atrophy), cerebellar malformation, hydrocephalus, microcephaly, cranial nerve defects; cardiovascular abnormalities; thymus gland abnormality; parathyroid hormone deficiency. In some cases death has occurred with certain of the abnormalities previously noted.

If pregnancy does occur during treatment of a female patient who is taking Amnesteem, Amnesteem must be discontinued immediately and she should be referred to an Obstetrician-Gynecologist experienced in reproductive toxicity for further evaluation and counseling.
Special Prescribing Information
Because of Amnesteem's teratogenicity and to minimize fetal exposure, Amnesteem is approved for marketing only under a special restricted distribution program approved by the Food and Drug Administration. This program is called PLEDGE™. Amnesteem must only be prescribed by prescribers who are registered and activated with the PLEDGE Program. Amnesteem must only be dispensed by a pharmacy registered and activated with the PLEDGE Program. Amnesteem must only be dispensed to patients who are registered and meet all the requirements of PLEDGE (see PRECAUTIONS).

	Females of Reproductive Potential	Males, and Females of Non-Reproductive Potential
PRESCRIBER		
Confirms patient counseling	X	X
Enters the two contraception methods chosen by the patient	X	
Enters pregnancy test results	X	
PATIENT		
Answers educational questions	X	
Before every prescription	X	
Enters two forms of contraception	X	
PHARMACIST		
Contacts system to get an authorization	X	

DESCRIPTION: Isotretinoin, USP is retinoid, is available as Amnesteem (isotretinoin capsules, USP) in 10 mg, 20 mg and 40 mg soft gelatin capsules for oral administration. Each capsule contains 10 mg, 20 mg, or 40 mg of isotretinoin, respectively, with other inactive ingredients. Each capsule contains gelatin capsules contain glycerin, with the following dry systems: 10 mg – red iron oxide paste and black ink; 20 mg – red iron oxide paste, yellow iron oxide paste, titanium dioxide and black ink; 40 mg – red iron oxide paste, yellow iron oxide paste, titanium dioxide and black ink.

MEETS USP Dissolution Test:
Chemically, isotretinoin is 13-cis-retinoic acid and is related to both retinoic acid and retinol (vitamin A). It is a yellow to orange crystalline powder with a molecular weight of 300.44. The structural formula is:



R only

Amnesteem®

(Isotretinoin Capsules, USP)

10 mg, 20 mg and 40 mg

ISOTCA-120
S-C51R1

not be initiated until at least 8 weeks after completion of the first course, because experience has shown that patients may continue to improve while off Amnesteem. The optimal interval between retreatment has not been defined for patients who have not completed skeletal growth (see WARNINGS and Premature Discontinuation, Hypertosis, and Premature Epiphyseal Closure).

CONTRAINDICATIONS AND WARNINGS
Allergic Reactions: Amnesteem is contraindicated in patients who are hypersensitive to this medication or to any of its components (see PRECAUTIONS: Hypersensitivity).

WARNINGS: Psychiatric Disorders: Amnesteem may cause depression, psychosis and, rarely, suicidal ideation, suicide attempts, suicide, and aggressive and/or violent behaviors. No mechanism of action has been established for these events (see ADVERSE REACTIONS: Psychiatric Disorders). Patients should be monitored for depression, psychosis, or aggression. **Adolescents and Young Adults: A Guide for Prescribers of Isotretinoin.** Prescribers should be alert to the warning signs of psychiatric disorders to guide patients to receive the help they need. Therefore, prior to initiation of Amnesteem therapy, patients and family members should be asked about any history of psychiatric disorder, and at each visit during therapy patients should be assessed for symptoms of depression, mood disturbance, psychosis, or aggression to determine if further evaluation may be necessary. Signs and symptoms of depression, as described in the brochure ("Recognizing Psychiatric Disorders in Adolescents and Young Adults"), include sad mood, hopelessness, feelings of guilt, worthlessness or helplessness, loss of pleasure or interest in activities, fatigue, difficulty concentrating, change in sleep pattern, change in weight or appetite, suicidal thoughts or attempts, restlessness, irritability, acting on dangerous impulses, and persistent physical symptoms unresponsive to treatment. Patients should stop Amnesteem and the patient or a family member should promptly contact their prescriber during the patient development period of reproductive potential with isotretinoin and, without waiting until the next visit. Discontinuation of Amnesteem therapy may be insufficient; further evaluation may be necessary. While such monitoring may be helpful, it may not detect all patients at risk. Patients may report mental health problems or family history of psychiatric disorders. These reports are not sufficient to determine if a patient should be referred to a mental health professional may be necessary. The physician should consider whether Amnesteem therapy is appropriate in this setting; for some patients the risks may outweigh the benefits of Amnesteem therapy.

Pseudotumor Cerebri: Amnesteem use has been associated with a number of cases of pseudotumor cerebri (benign intracranial hypertension) in some of which involved concomitant use of tetracyclines. Concomitant treatment with tetracyclines should be avoided. Early signs and symptoms of pseudotumor cerebri include papilloedema, headache, nausea and vomiting, and visual disturbances. Patients with these symptoms should be screened for papilloedema and, if present, they should be discontinued immediately. Amnesteem should be referred to a neurologist for further diagnosis and care (see ADVERSE REACTIONS: Neurological). **Serious Skin Reactions:** There have been post-marketing reports of erythema multiforme and severe skin reactions (e.g., Stevens-Johnson Syndrome (SJS), toxic epidermal necrolysis (TEN)) associated with isotretinoin use. These events may be serious and result in death. Life-threatening events, hospitalization or disability. Patients should be monitored closely for severe skin reactions and discontinuation of Amnesteem should be considered if warranted.

Pancreatitis: Acute pancreatitis has been reported in patients with either elevated or normal serum triglyceride levels. In rare instances, fatal hemorrhagic pancreatitis has been reported. Amnesteem should be discontinued if pancreatitis cannot be controlled at an acceptable level or if symptoms of pancreatitis occur.

Lipids: Elevations of serum triglycerides in excess of 800 mg/dL have been reported in patients treated with Amnesteem. Marked elevations of serum triglycerides were reported in approximately 15% of patients who were treated with Amnesteem. In a separate open-label extension study, a developed a decrease in high-density lipoproteins and about 7% showed an increase in cholesterol levels. In clinical trials, the effects on triglycerides, HDL, and cholesterol were reversible upon cessation of Amnesteem therapy. Some patients have had to receive triglyceride elevations by reduction of weight, restriction of dietary fat and alcohol, and reduction in dose while continuing with Amnesteem.

Blood lipid measurements should be performed before Amnesteem is given and then at intervals until the lipid response to Amnesteem is established, which usually occurs within 4 weeks. Especially careful consideration must be given to risk/benefit for patients who may be at high risk for cardiovascular events, obesity, increased alcohol intake, lipid metabolism disorder or familial history of lipid metabolism disorder. If Amnesteem therapy is instituted, more frequent checks of serum values for lipids and/or blood sugar are recommended (see PRECAUTIONS: Laboratory Tests).

The cardiovascular consequences of hypertriglyceridemia associated with Amnesteem are unknown.

CLINICAL PHARMACOLOGY: Isotretinoin is a retinoid, which when administered in pharmacologic dosages of 0.5 to 1 mg/kg/day (see DOSAGE AND ADMINISTRATION), inhibits sebaceous gland activity and keratinization. The exact mechanism of action of isotretinoin is unknown. **Nodular Acne:** Clinical improvement in nodular acne patients occurs in association with the reduction in sebum secretion. The decrease in sebum secretion is temporary and is related to the dose and duration of treatment with Amnesteem, and reflects a reduction in sebaceous gland size and the inhibition of sebaceous gland activity. **Pharmacokinetics: Absorption:** Due to its high lipophilicity, oral absorption of isotretinoin is enhanced when given with a high fat meal. In a crossover study, 74 healthy adult subjects received a single 80 mg oral dose (2 x 40 mg capsules) of Amnesteem under fasted and fed conditions. Both peak plasma concentration (C_{max}) and the total exposure (AUC) of isotretinoin were more than doubled following a standard reference dose. **Pharmacokinetics: Absorption:** Due to its high lipophilicity, oral absorption of isotretinoin is enhanced when given with a high fat meal. In a crossover study, 74 healthy adult subjects received a single 80 mg oral dose (2 x 40 mg capsules) of Amnesteem under fasted and fed conditions. Both peak plasma concentration (C_{max}) and the total exposure (AUC) of isotretinoin were more than doubled following a standard reference dose. **Pharmacokinetics: Absorption:** Due to its high lipophilicity, oral absorption of isotretinoin is enhanced when given with a high fat meal. In a crossover study, 74 healthy adult subjects received a single 80 mg oral dose (2 x 40 mg capsules) of Amnesteem under fasted and fed conditions. Both peak plasma concentration (C_{max}) and the total exposure (AUC) of isotretinoin were more than doubled following a standard reference dose.

Amnesteem 2 x 40 mg Capsules	AUC ₀₋₂₄ (ng•hr/mL)	C _{max} (ng/mL)	T _{max} (hr)	t _{1/2} (hr)
Fed*	10,004 (22%)	862 (22%)	5.3 (77%)	21 (39%)
Fasted	3,703 (46%)	301 (63%)	3.2 (56%)	21 (30%)

*Using a standardized high fat meal.

Distribution: Isotretinoin is more than 99% bound to plasma proteins, primarily albumin. **Metabolism:** Following oral administration of isotretinoin, at least three metabolites have been identified in human plasma: 4-oxo-isotretinoin, retinoic acid (retinoin), and 4-oxo-retinoic acid (4-oxo-retinoin). Retinoic acid and 13-cis-retinoic acid are geometric isomers and show reversible interconversion. The additional metabolite, 4-oxo-isotretinoin, is primarily formed in vitro and is irreversibly oxidized to 4-oxo-isotretinoin, which forms its geometric isomer 4-oxo-retinoin.

After a single 80 mg oral dose of Amnesteem 74 healthy adult subjects, concurrent administration of food increased the extent of formation of all metabolites in plasma when compared to the extent of formation under fasted conditions. All of these metabolites possess retinoid activity that is in some in vitro models more than that of the parent isotretinoin. However, the clinical significance of these metabolites is unknown. After multiple oral dose administration of isotretinoin to adult cystic acne patients (> 18 years), the exposure of patients to 4-oxo-isotretinoin at 4-oxo-retinoin under fasted and fed conditions was approximately 2.4 times higher than that of isotretinoin.

In vitro studies indicate that the primary 4-oxo-isotretinoin formed in isotretinoin metabolism are 2C8, 2C9, 3A4 and 2C6. Isotretinoin and its metabolites are further metabolized into conjugates, which are then excreted in urine and feces.

Elimination: Following oral administration of an 80 mg dose of 14C-isotretinoin as a liquid suspension, 14C activity in blood decreased with a half-life of 12 hours. The metabolites of isotretinoin and any conjugates are ultimately excreted in the feces and urine in relatively equal amounts (total of 65% to 83%). After a single 80 mg oral dose of Amnesteem 74 healthy adult subjects under fed conditions, the mean ± SD elimination half-lives (t_{1/2}) of isotretinoin and 4-oxo-isotretinoin were 21 ± 2.2 hours and 24 ± 5.3 hours, respectively. After both single and multiple doses, the observed accumulation ratios of isotretinoin ranged from 0.9 to 5.43 in patients with cystic acne.

Special Patient Populations: Pediatric Patients: The pharmacokinetics of isotretinoin were evaluated after single and multiple doses in 38 pediatric patients (12 to 15 years) and 19 adult patients (> 18 years) who received Amnesteem for the treatment of severe recalcitrant nodular acne. In both age groups, 4-oxo-isotretinoin was the major metabolite; retinoin and 4-oxo-retinoin were also observed. The dose-normalized pharmacokinetic parameters for isotretinoin following single and multiple doses are summarized in Table 3 for pediatric patients. There were no statistically significant differences in the pharmacokinetics of isotretinoin between pediatric and adult patients.

Parameter	Isotretinoin (Single Dose)	Isotretinoin (Steady-State)
C _{max} (ng/mL)	573.25 (278.79)	731.98 (361.86)
AUC ₀₋₂₄ (ng•hr/mL)	3033.37 (1394.17)	5082 (2184.23)
AUC ₀₋₂₄ (ng•hr/mL)	6003.81 (2365.57)	5 (1) (-24.6)
C _{500nm} (ng/mL)	-	4.0 (1 to 12)
C _{500nm} (ng/mL)	-	352.32 (184.44)
t _{1/2} (hr)	-	15.69 (12)
Cl _r (L/hr)	-	17.96 (6.27)

* The single and multiple dose data in this table were obtained following a non-standardized meal that is not comparable to the high-fat meal that was used in the study in Table 2.
† Median (range)

In pediatric patients (> 12 to 15 years), the mean ± SD elimination half-lives (t_{1/2}) of isotretinoin and 4-oxo-isotretinoin were 15.7 ± 5.1 hours and 23.1 ± 5.7 hours, respectively. The accumulation ratios of isotretinoin ranged from 0.46 to 3.65 for pediatric patients.

INDICATIONS AND USAGE: Severe Recalcitrant Nodular Acne: Amnesteem is indicated for the treatment of severe recalcitrant nodular acne in patients with inflammatory lesions with a diameter of 5 mm or greater. The nodules may appear suppurative or hemorrhagic. Severe, by definition, 2 means "many" as opposed to "few or several" nodules. Because of significant adverse effects associated with its use, Amnesteem should be reserved for patients with severe nodular acne who are unresponsive to conventional therapy, including systemic antibiotics. In addition, Amnesteem is indicated only for those patients who are not pregnant, because Amnesteem can cause severe birth defects (see Boxed CONTRAINDICATIONS AND WARNINGS).

A single course of therapy for 15 to 20 weeks has been shown to result in complete and prolonged remission of disease in many patients. A second course of therapy is needed, it should

- Distributing only FDA approved isotretinoin product
- Only shipping isotretinoin to – wholesalers registered in the PLEDGE Program with prior written consent from the manufacturer or – pharmacist licensed in the US and registered and activated in the PLEDGE Program
- Notifying the isotretinoin manufacturer (or delegating) of any non-registered and/or non-activated pharmacy or unregistered wholesaler that attempts to order isotretinoin
- Complying with inspection of wholesaler records for verification of compliance with the PLEDGE Program by the isotretinoin manufacturer (or delegating)
- Returning to the manufacturer (or delegating) any unused product if registration is revoked by the manufacturer or if the wholesaler chooses to not register annually.

Prescribers: To prescribe isotretinoin, the prescriber must be registered and activated with the pregnancy risk management program PLEDGE. Prescribers can register by signing and returning the completed registration form. Prescribers can only activate their registration by affirming that they meet requirements and will comply with all PLEDGE requirements by attesting to the following points:

- I know the risk and severity of fetal injury/birth defects from isotretinoin.
- I know the risk factors for unplanned pregnancy and the effective measures for avoidance of unplanned pregnancy.
- I have the expertise to provide the patient with detailed pregnancy prevention counseling or I will refer to an expert for such counseling, reimbursed by the manufacturer.
- I will comply with the PLEDGE Program requirements described in the booklets entitled *The Guide to Best Practices for the PLEDGE Program* and *The PLEDGE Program Prescriber/Contraception Counseling Guide*.
- Before beginning treatment of females of reproductive potential with isotretinoin and on a monthly basis, the patient will be counseled to avoid pregnancy by using two forms of contraception simultaneously and continuously one month before, during and one month after isotretinoin therapy, unless the patient commits to continuous abstinence.
- I will not prescribe isotretinoin to any females of reproductive potential until verifying she is not pregnant by the Responsible Site Pharmacist using a negative pregnancy test (see ADVERSE REACTIONS: Pregnancy Testing).
- I will obtain Amnesteem product only from PLEDGE registered wholesalers.
- I will not sell, buy, borrow, loan or otherwise transfer isotretinoin in any manner to or from another pharmacy.
- I will return to the manufacturer (or delegating) any unused product if registration is revoked by the manufacturer or if the pharmacy chooses to not reactivate annually.
- I will not fill isotretinoin for any party other than a qualified patient.

- Dispense isotretinoin, the pharmacist must:
 - write the Risk Management Authorization (RMA) number on the prescription.
- obtain authorization from the PLEDGE Program via the internet (www.pledgeprogram.com) or telephone (1-866-495-0654) for every isotretinoin prescription. Authorization signifies that all clinical trial developed marking requirements and is qualified to receive Amnesteem.

Amnesteem must only be dispensed:

- in no more than a 30 day supply
- with Amnesteem Medication Guide
- after authorization from the PLEDGE Program

prior to the "do not dispense to patient after" date provided by the PLEDGE system (within 30 days of the office visit for male patients and females of non-reproductive potential) and within 7 days of the date of specimen collection for females of reproductive potential)

with a new prescription for refills and another authorization from the PLEDGE Program (No automatic refills are allowed).

An Amnesteem Medication Guide must be given to the patient each time Amnesteem is dispensed, as required by law. This Amnesteem Medication Guide is an important part of the risk management program for the patients.

Amnesteem must not be prescribed, dispensed or otherwise obtained through the internet or any other means outside of the PLEDGE Program. Only FDA-approved Amnesteem products must be distributed, prescribed, dispensed and used. Patients must obtain Amnesteem prescriptions only at U.S. licensed pharmacies.

A description of the PLEDGE Program educational materials available with PLEDGE is provided below. The main goal of these educational materials is to explain the PLEDGE Program requirements and to reinforce the educational messages.

- The Guide to Best Practices for the PLEDGE Program* includes: isotretinoin teratogenic potential, information on pregnancy testing, and the method to complete a qualified Amnesteem prescription.
- The PLEDGE Program Prescriber/Contraception Counseling Guide* includes: specific information about the PLEDGE Program, the importance of pregnancy testing, and the method to complete a qualified Amnesteem prescription with an increased risk of contraceptive failure and pregnancy and the methods to evaluate pregnancy risk.
- The Pharmacist Guide for the PLEDGE Program* includes: isotretinoin teratogenic potential and the PLEDGE Program.
- The PLEDGE Program* is a systematic approach to comprehensive patient education about their responsibilities and includes education for contraception compliance and reinforcement of educational messages. The PLEDGE Program includes information on the risks and benefits of Amnesteem which is linked to the Medication Guide dispensed by pharmacists with each contraceptive prescription.
- Female of non-reproductive potential and male patients* and females of reproductive potential are provided with separate booklets. Each booklet contains information on isotretinoin therapy including precautions and warnings, a Patient Information/Informed Consent (for all patients) form and a toll-free line which provides isotretinoin information in two languages.

- The booklet for females of non-reproductive potential and male patients, *The PLEDGE Program Guide to Isotretinoin for Male Patients and Female Patients Who Cannot Get Pregnant*, also includes information on male reproduction and a warning not to share Amnesteem with females or to donate blood during isotretinoin therapy and for one month following discontinuation of isotretinoin.
- The booklet for females of reproductive potential, *The PLEDGE Program Guide to Isotretinoin for Female Patients Who Can Get Pregnant*, includes a referral program that offers female patients free contraception counseling, reimbursed by the manufacturer, by a reproductive specialist; and a second Patient Information/Informed Consent About Birth Defects (for females who can get pregnant) form concerning birth defects.

- The booklet, *The PLEDGE Program Birth Control Workbook* includes information on the types of contraceptive methods, the selection and use of appropriate, effective contraception, the rates of possible contraceptive failure and a toll-free contraception counseling line.
- In addition, there are patient educational materials with the following videos – "Be Prepared, Be Protected" and "Be Aware: The Risk of Pregnancy While on Isotretinoin" (see PRECAUTIONS: Laboratory Tests).

Caution: Although an effect of Amnesteem on bone loss is not established, physicians should use caution when prescribing Amnesteem to patients with a genetic predisposition for age related osteoporosis, a history of childhood osteoporosis conditions, osteomalacia, or other disorders of bone metabolism. This would include patients diagnosed with osteonemia nervosa and those who are on chronic drug therapy that causes drug-induced osteonemia/osteomalacia and who have vitamin D metabolism, such as systemic corticosteroids and any anticonvulsant.

Patients may be at increased risk when participating in sports with repetitive impact where the risks of sports/leashes with and without pain fractures will have a greater impact on the early and late adolescence are known. There are spontaneous reports of fractures and/or delayed healing in patients while on therapy with Amnesteem or following cessation of therapy with Amnesteem while involved in these activities. While caution to Amnesteem has not been established, an effect must not be ruled out.

Information for Patients: See PRECAUTIONS and Boxed CONTRAINDICATIONS AND WARNINGS.

- Patients must be instructed to read the Medication Guide supplied as required by law when Amnesteem is dispensed. The complete text of the Medication Guide is reprinted at the end of this document. For additional information, patients must also be instructed to read the PLEDGE Program patient educational materials. All patients must sign a Patient Information/Informed Consent (for all patients) form.
- Females of reproductive potential must be instructed that they must not be pregnant when Amnesteem therapy is initiated, and that they should use two forms of effective contraception simultaneously for one month before starting Amnesteem, while taking Amnesteem, and for one month after Amnesteem has been stopped, unless they commit to continuous abstinence from heterosexual intercourse. They should also sign a second Patient Information/Informed Consent About Birth Defects (for female patients who can get pregnant) form prior to beginning Amnesteem therapy. They should be given an opportunity to view the patient video provided by the manufacturer to the prescriber. The video includes information about contraception, the most common reasons that contraception fails, and the importance of using two forms of effective contraception when taking teratogenic drugs and comprehensive information about types of potential birth defects which could occur if a female patient who is pregnant takes Amnesteem any time during pregnancy. Female patients should be seen by their prescribers monthly and have a urine or serum pregnancy test, in a CLIA-certified laboratory, performed each month during treatment to confirm negative pregnancy status before another Amnesteem prescription is written (see Boxed CONTRAINDICATIONS AND WARNINGS and PRECAUTIONS).

Amnesteem is found in the semen of male patients taking Amnesteem, but the amount delivered to a female partner would be about one million times lower than an oral dose of 40 mg. While the effect limit for isotretinoin induced embryopathy is unknown, 20 years of post-marketing reports include four with isolated defects compatible with features of retinoid exposed fetuses; however two of these reports were incomplete and two had other possible explanations for the defects observed.

Prescribers should be alert to the warning signs of psychiatric disorders to guide patients to receive the help they need. Therefore, prior to initiation of Amnesteem treatment, patients and family members should be asked about any history of psychiatric disorder, and at each visit during treatment patients should be assessed for symptoms of depression, mood disturbance, psychosis or aggression to determine if further evaluation may be necessary. Signs and symptoms of depression include sad mood, hopelessness, feelings of guilt, worthlessness or helplessness, loss of pleasure or interest in activities, fatigue, difficulty concentrating, change in sleep pattern, change in weight or appetite, suicidal thoughts or attempts, restlessness, irritability, acting on dangerous impulses and persistent physical symptoms unresponsive to treatment. Patients should stop Amnesteem and the patient or a family member should promptly contact their prescriber if the patient develops depression, mood disturbance, psychosis or aggression, without waiting until the next visit. Discontinuation of Amnesteem treatment may be insufficient; further evaluation may be necessary. While such monitoring may be helpful, it may not detect all patients at risk. Patients may report mental health problems or family history of psychiatric disorders. These reports should be discussed with the patient and/or the patient's family. A referral to a mental health professional may be necessary. The physician should consider whether Amnesteem therapy is appropriate in this setting; for some patients the risks may outweigh the benefits of Amnesteem therapy.

Patients must be informed that some patients, while taking Amnesteem or soon after stopping Amnesteem, have become depressed or developed other serious mental problems.

Females of Reproductive Potential: Isotretinoin is contraindicated in females who are pregnant. In addition to the requirements for all patients described above, females of reproductive potential must meet the following conditions:

- Must NOT be pregnant or breast-feeding
- Must comply with the required pregnancy testing at a CLIA-certified laboratory
- Must obtain the prescription within 7 days of the date of specimen collection for the pregnancy test
- Must be capable of complying with the mandatory contraceptive measures required for isotretinoin therapy, or committing to continuous abstinence from heterosexual intercourse and understanding the consequences associated with an increased risk of pregnancy
- Must understand that it is her responsibility to avoid pregnancy one month before, during and one month after isotretinoin therapy
- Must have signed an additional Patient Information/Informed Consent About Birth

Defects (for females who can get pregnant) form, before starting isotretinoin, that contains warnings about the risk of potential birth defects if the fetus is exposed to isotretinoin

- pharmacists licensed in the US and registered and activated in the PLEDGE Program
- pharmacist licensed in the US and registered and activated in the PLEDGE Program

Pharmacists: To dispense isotretinoin, pharmacies must be registered and activated with the pregnancy risk management program PLEDGE. The Responsible Site Pharmacist must register the pharmacy by signing and returning the completed registration form. After registration, the Responsible Site Pharmacist can only activate the pharmacy registration by affirming that they meet requirements and will comply with all PLEDGE requirements by attesting to the following points:

- I know the risk and severity of fetal injury/birth defects from isotretinoin.
- I will not sell, buy, borrow, loan or otherwise transfer isotretinoin in any manner to or from another pharmacy.
- I will return to the manufacturer (or delegating) any unused product if registration is revoked by the manufacturer or if the pharmacy chooses to not reactivate annually.
- I will not fill isotretinoin for any party other than a qualified patient.

- Dispense isotretinoin, the pharmacist must:
 - write the Risk Management Authorization (RMA) number on the prescription.
- obtain authorization from the PLEDGE Program via the internet (www.pledgeprogram.com) or telephone (1-866-495-0654) for every isotretinoin prescription. Authorization signifies that all clinical trial developed marking requirements and is qualified to receive Amnesteem.

Amnesteem must only be dispensed:

- in no more than a 30 day supply
- with Amnesteem Medication Guide
- after authorization from the PLEDGE Program

prior to the "do not dispense to patient after" date provided by the PLEDGE system (within 30 days of the office visit for male patients and females of non-reproductive potential) and within 7 days of the date of specimen collection for females of reproductive potential)

with a new prescription for refills and another authorization from the PLEDGE Program (No automatic refills are allowed).

An Amnesteem Medication Guide must be given to the patient each time Amnesteem is dispensed, as required by law. This Amnesteem Medication Guide is an important part of the risk management program for the patients.

Amnesteem must not be prescribed, dispensed or otherwise obtained through the internet or any other means outside of the PLEDGE Program. Only FDA-approved Amnesteem products must be distributed, prescribed, dispensed and used. Patients must obtain Amnesteem prescriptions only at U.S. licensed pharmacies.

A description of the PLEDGE Program educational materials available with PLEDGE is provided below. The main goal of these educational materials is to explain the PLEDGE Program requirements and to reinforce the educational messages.

- The Guide to Best Practices for the PLEDGE Program* includes: isotretinoin teratogenic potential, information on pregnancy testing, and the method to complete a qualified Amnesteem prescription.
- The PLEDGE Program Prescriber/Contraception Counseling Guide* includes: specific information about the PLEDGE Program, the importance of pregnancy testing, and the method to complete a qualified Amnesteem prescription with an increased risk of contraceptive failure and pregnancy and the methods to evaluate pregnancy risk.
- The Pharmacist Guide for the PLEDGE Program* includes: isotretinoin teratogenic potential and the PLEDGE Program.
- The PLEDGE Program* is a systematic approach to comprehensive patient education about their responsibilities and includes education for contraception compliance and reinforcement of educational messages. The PLEDGE Program includes information on the risks and benefits of Amnesteem which is linked to the Medication Guide dispensed by pharmacists with each contraceptive prescription.
- Female of non-reproductive potential and male patients* and females of reproductive potential are provided with separate booklets. Each booklet contains information on isotretinoin therapy including precautions and warnings, a Patient Information/Informed Consent (for all patients) form and a toll-free line which provides isotretinoin information in two languages.

- The booklet for females of non-reproductive potential and male patients, *The PLEDGE Program Guide to Isotretinoin for Male Patients and Female Patients Who Cannot Get Pregnant*, also includes information on male reproduction and a warning not to share Amnesteem with females or to donate blood during isotretinoin therapy and for one month following discontinuation of isotretinoin.
- The booklet for females of reproductive potential, *The PLEDGE Program Guide to Isotretinoin for Female Patients Who Can Get Pregnant*, includes a referral program that offers female patients free contraception counseling, reimbursed by the manufacturer, by a reproductive specialist; and a second Patient Information/Informed Consent About Birth Defects (for females who can get pregnant) form concerning birth defects.

- The booklet, *The PLEDGE Program Birth Control Workbook* includes information on the types of contraceptive methods, the selection and use of appropriate, effective contraception, the rates of possible contraceptive failure and a toll-free contraception counseling line.
- In addition, there are patient educational materials with the following videos – "Be Prepared, Be Protected" and "Be Aware: The Risk of Pregnancy While on Isotretinoin" (see PRECAUTIONS: Laboratory Tests).

Caution: Although an effect of Amnesteem on bone loss is not established, physicians should use caution when prescribing Amnesteem to patients with a genetic predisposition for age related osteoporosis, a history of childhood osteoporosis conditions, osteomalacia, or other disorders of bone metabolism. This would include patients diagnosed with osteonemia nervosa and those who are on chronic drug therapy that causes drug-induced osteonemia/osteomalacia and who have vitamin D metabolism, such as systemic corticosteroids and any anticonvulsant.

Patients may be at increased risk when participating in sports with repetitive impact where the risks of sports/leashes with and without pain fractures will have a greater impact on the early and late adolescence are known. There are spontaneous reports of fractures and/or delayed healing in patients while on therapy with Amnesteem or following cessation of therapy with Amnesteem while involved in these activities. While caution to Amnesteem has not been established, an effect must not be ruled out.

Information for Patients: See PRECAUTIONS and Boxed CONTRAINDICATIONS AND WARNINGS.

- Patients must be instructed to read the Medication Guide supplied as required by law when Amnesteem is dispensed. The complete text of the Medication Guide is reprinted at the end of this document. For additional information, patients must also be instructed to read the PLEDGE Program patient educational materials. All patients must sign a Patient Information/Informed Consent (for all patients) form.
- Females of reproductive potential must be instructed that they must not be pregnant when Amnesteem therapy is initiated, and that they should use two forms of effective contraception simultaneously for one month before starting Amnesteem, while taking Amnesteem, and for one month after Amnesteem has been stopped, unless they commit to continuous abstinence from heterosexual intercourse. They should also sign a second Patient Information/Informed Consent About Birth Defects (for female patients who can get pregnant) form prior to beginning Amnesteem therapy. They should be given an opportunity to view the patient video provided by the manufacturer to the prescriber. The video includes information about contraception, the most common reasons that contraception fails, and the importance of using two forms of effective contraception when taking teratogenic drugs and comprehensive information about types of potential birth defects which could occur if a female patient who is pregnant takes Amnesteem any time during pregnancy. Female patients should be seen by their prescribers monthly and have a urine or serum pregnancy test, in a CLIA-certified laboratory, performed each month during treatment to confirm negative pregnancy status before another Amnesteem prescription is written (see Boxed CONTRAINDICATIONS AND WARNINGS and PRECAUTIONS).

Amnesteem is found in the semen of male patients taking Amnesteem, but the amount delivered to a female partner would be about one million times lower than an oral dose of 40 mg. While the effect limit for isotretinoin induced embryopathy is unknown, 20 years of post-marketing reports include four with isolated defects compatible with features of retinoid exposed fetuses; however two of these reports were incomplete and two had other possible explanations for the defects observed.

Prescribers should be alert to the warning signs of psychiatric disorders to guide patients to receive the help they need. Therefore, prior to initiation of Amnesteem treatment, patients and family members should be asked about any history of psychiatric disorder, and at each visit during treatment patients should be assessed for symptoms of depression, mood disturbance, psychosis or aggression to determine if further evaluation may be necessary. Signs and symptoms of depression include sad mood, hopelessness, feelings of guilt, worthlessness or helplessness, loss of pleasure or interest in activities, fatigue, difficulty concentrating, change in sleep pattern, change in weight or appetite, suicidal thoughts or attempts, restlessness, irritability, acting on dangerous impulses and persistent physical symptoms unresponsive to treatment. Patients should stop Amnesteem and the patient or a family member should promptly contact their prescriber if the patient develops depression, mood disturbance, psychosis or aggression, without waiting until the next visit. Discontinuation of Amnesteem treatment may be insufficient; further evaluation may be necessary. While such monitoring may be helpful, it may not detect all patients at risk. Patients may report mental health problems or family history of psychiatric disorders. These reports should be discussed with the patient and/or the patient's family. A referral to a mental health professional may be necessary. The physician should consider whether Amnesteem therapy is appropriate in this setting; for some patients the risks may outweigh the benefits of Amnesteem therapy.

Patients must be informed that some patients, while taking Amnesteem or soon after stopping Amnesteem, have become depressed or developed other serious mental problems.

Females of Reproductive Potential: Isotretinoin is contraindicated in females who are pregnant. In addition to the requirements for all patients described above, females of reproductive potential must meet the following conditions:

- Must NOT be pregnant or breast-feeding
- Must comply with the required pregnancy testing at a CLIA-certified laboratory
- Must obtain the prescription within 7 days of the date of specimen collection for the pregnancy test
- Must be capable of complying with the mandatory contraceptive measures required for isotretinoin therapy, or committing to continuous abstinence from heterosexual intercourse and understanding the consequences associated with an increased risk of pregnancy
- Must understand that it is her responsibility to avoid pregnancy one month before, during and one month after isotretinoin therapy
- Must have signed an additional Patient Information/Informed Consent About Birth

Symptoms of depression include sad, "anxious" or empty mood, irritability, acting on dangerous impulses, anger, loss of pleasure or interest in social or sports activities, sleeping too much or too little, changes in weight or appetite, school or work performance going down or trouble concentrating for appropriate depression (but some women have been observed in 10 to 25 tests examined and in 10 instances were completely atrophic tubules seen. In studies of 66 men, 30 of whom were patients with nodular acne under treatment with oral isotretinoin, no significant changes were noted in the count or mobility of spermatozoa in the ejaculate. In a study of 50 men (ages 17 to 32 years) receiving Amnesteem (isotretinoin) therapy for nodular acne, no significant differences were seen in sperm count, sperm motility, sperm morphology or seminal plasma fractions.

Pharmacists: To dispense isotretinoin, pharmacies must be registered and activated with the pregnancy risk management program PLEDGE. The Responsible Site Pharmacist must register the pharmacy by signing and returning the completed registration form. After registration, the Responsible Site Pharmacist can only activate the pharmacy registration by affirming that they meet requirements and will comply with all PLEDGE requirements by attesting to the following points:

Table 4. Amnesteem Dosing by Body Weight (Based on Administration with Food)

Body Weight		Total mg/day		
kilograms	pounds	0.5 mg/kg	1 mg/kg	2 mg/kg*
40	88	20	40	80
50	110	25	50	100
60	132	30	60	120
70	154	35	70	140
80	176	40	80	160
90	198	45	90	180
100	220	50	100	200

*See DOSAGE AND ADMINISTRATION: the recommended dosage range is 0.5 to 1 mg/kg/day.

INFORMATION FOR PHARMACISTS

Access the iPLEDGE system via the internet (www.ipledgeprogram.com) or telephone (1-866-495-0654) to obtain an authorization and the “do not dispense to patient after” date. Amnesteem must only be dispensed in no more than a 30 day supply.

REFILLS REQUIRE A NEW PRESCRIPTION AND A NEW AUTHORIZATION FROM THE iPLEDGE SYSTEM.

An Amnesteem Medication Guide must be given to the patient each time Amnesteem is dispensed, as required by law. This Amnesteem Medication Guide is an important part of the risk management program for the patient.

HOW SUPPLIED: Amnesteem (isotretinoin capsules, USP) contain 10 mg, 20 mg or 40 mg of isotretinoin, USP.

The 10 mg capsules are reddish brown and imprinted with **10**. They are available as follows:

NDC 0378-6611-83

 Cartons of 30 containing 3 Prescription Packs of 10 capsules

The 20 mg capsules are reddish brown and cream and imprinted with **20**. They are available as follows:

NDC 0378-6612-93

 Cartons of 30 containing 3 Prescription Packs of 10 capsules

The 40 mg capsules are orange-brown and imprinted with **40**. They are available as follows:

NDC 0378-6614-93

 Cartons of 30 containing 3 Prescription Packs of 10 capsules

Storage: Store at 68° to 77°F (20° to 25°C). [See USP Controlled Room Temperature.]

Protect from light.

REFERENCES

- Peck GL, Olsen TG, Yoder FW, et al. Prolonged remissions of cystic and conglobate acne with 13-cis-retinoic acid. *N Engl J Med* 300:329-333, 1979.
- Pochi FC, Shalita AR, Strauss JS, Webster SB. Report of the consensus conference on acne classification. *J Am Acad Dermatol* 24:485-500, 1991.
- Farell LN, Strauss JS, Stranieri AM. The treatment of severe cystic acne in a multiple-dose trial. *J Am Acad Dermatol* 3:802-811, 1980.
- Jones H, Banc D, Cumfitt WD. 13-cis-retinoic acid and acne. *Lancet* 2:1048-1049, 1980.
- Katz RA, Jorgensen H, Nigra TP. Elevation of serum triglyceride levels from oral isotretinoin in disorders of keratinization. *Arch Dermatol* 116:1369-1372, 1980.
- Ellis CH, Madison KC, Pennes DR, Martel W, Voorhees JJ. Isotretinoin therapy is associated with early skeletal radiographic changes. *J Am Acad Dermatol* 10:1024-1029, 1984.
- Dickson CH, Comnelly SM. Grouped acneiform eruptions associated with isotretinoin (13-cis-retinoic acid). *Arch Dermatol* 116:951-952, 1980.
- Strauss JS, Rapini RP, Shalita AR, et al. Isotretinoin therapy for acne: results of a multi-center dose-response study. *J Am Acad Dermatol* 10:490-496, 1984.

OrthoNovum 7177 is a registered trademark of Ortho-McNeil Pharmaceutical, Inc.

PATIENT INFORMATION/INFORMED CONSENT ABOUT BIRTH DEFECTS (for female patients who can get pregnant)

To be completed by the patient (and her parent or guardian* if patient is under age 18) and signed by her doctor.

Read each item below and initial in the space provided to show that you understand each item and agree to follow your doctor’s instructions. **Do not sign this consent and do not take isotretinoin if there is anything that you do not understand.**

*A parent or guardian of a minor patient (under age 18) must also read and initial each item before signing the consent.

- | | |
|---|------------------------|
| | (Patient’s Name) _____ |
| 1. I understand that there is a very high chance that my unborn baby could have severe birth defects if I am pregnant or become pregnant while taking isotretinoin. This can happen with any amount and even if taken for short periods of time. This is why I must not be pregnant while taking isotretinoin. <p>Initial: _____</p> | |
| 2. I understand that I must not get pregnant one month before, during the entire time of my treatment and for one month after the end of my treatment with isotretinoin. <p>Initial: _____</p> | |
| 3. I understand that I must avoid sexual intercourse completely, or I must use two separate, effective forms of birth control (contraception) at the same time . The only exceptions are if I have had surgery to remove the uterus (a hysterectomy) or both of my ovaries (bilateral oophorectomy), or my doctor has medically confirmed that I am post-menopausal. <p>Initial: _____</p> | |
| 4. I understand that hormonal birth control products are among the most effective forms of birth control. Combination birth control pills and other hormonal products include skin patches, shots, under-the-skin implants, vaginal rings and intrauterine devices (IUDs). Any form of birth control can fail. That is why I must use two different birth control methods at the same time starting one month before, during, and for one month after stopping therapy every time I have sexual intercourse, even if one of the methods I choose is hormonal birth control. <p>Initial: _____</p> | |
| 5. I understand that the following are effective forms of birth control: | |

Primary forms <ul style="list-style-type: none">tubal sterilization (tying my tubes) partner’s vasectomy intrauterine device hormonal (combination birth control pills, skin patches, shots, under-the-skin implants or vaginal ring)	Secondary forms <p><i>Barrier:</i></p> <ul style="list-style-type: none">male latex condom with or without spermicide diaphragm with spermicide cervical cap with spermicide <p><i>Other:</i></p> <ul style="list-style-type: none">vaginal sponge (contains spermicide)
---	---

A diaphragm and cervical cap must each be used with spermicide, a special cream that kills sperm. I understand that at least one of my two forms of birth control must be a primary method.

- I will talk with my doctor about any medicines including herbal products I plan to take during my isotretinoin treatment because hormonal birth control methods may not work if I am taking certain medicines or herbal products.

Initial: _____
- I may receive a free birth control counseling session from a doctor or other family planning expert. My isotretinoin doctor can give me an isotretinoin Patient Referral Form for this free consultation.

Initial: _____
- I must begin using the birth control methods I have chosen as described above at least one month before I start taking isotretinoin.

Initial: _____
- I cannot get my first prescription for isotretinoin unless my doctor has told me that I have two negative pregnancy test results. The first pregnancy test should be done when my doctor decides to prescribe isotretinoin. The second pregnancy test must be done in a lab during the first 5 days of my menstrual period right before starting isotretinoin therapy treatment or as instructed by my doctor. I will then have one pregnancy test, in a lab.
 - every month during treatment
 - at the end of treatment
 - and 1 month after stopping treatment

I must not start taking isotretinoin until I am sure that I am not pregnant, have negative results from two pregnancy tests, and the second test has been done in a lab.
- I have read and understand the materials my doctor has provided to me, including *The iPLEDGE Program Guide for Isotretinoin for Female Patients Who Can Get Pregnant*, *The iPLEDGE Birth Control Workbook* and *The iPLEDGE Program Patient Introductory Brochure*. My doctor provided me and asked me to watch the DVD containing a video about birth control and a video about birth defects and isotretinoin. I was told about a private counseling line that I may call for more information about birth control. I have received information on emergency birth control.

Initial: _____
- I must stop taking isotretinoin right away and call my doctor if I get pregnant, miss my expected menstrual period, stop using birth control or have sexual intercourse without using my two birth control methods at any time.
- My doctor provided me information about the purpose and importance of providing information to the iPLEDGE Program should I become pregnant while taking isotretinoin or within one month of the last dose. I understand that if I become pregnant, information about my pregnancy, my health, and my baby’s health may be shared with the makers of isotretinoin, authorized parties who maintain the iPLEDGE Program for the makers of isotretinoin and government health regulatory authorities.

Initial: _____
- I understand that being qualified to receive isotretinoin in the iPLEDGE Program means that I:
 - have had two negative urine or blood pregnancy tests before receiving the first isotretinoin prescription. The second test must be done in a lab. I must have a negative result from a urine or blood pregnancy test done in a lab repeated each month before I receive another isotretinoin prescription.

- have chosen and agreed to use two forms of effective birth control at the same time.

At least one method must be a primary form of birth control, **unless I have chosen never to have sexual contact with a male (abstinence)**, or I have undergone a hysterectomy. I must use two forms of birth control for at least one month before I start isotretinoin therapy, during therapy and for one month after stopping therapy. I must receive counseling, repeated on a monthly basis, about birth control and behaviors associated with an increased risk of pregnancy.

- have signed a Patient Information/Informed Consent About Birth Defects (for female patients who can get pregnant) that contains warnings about the chance of possible birth defects if I am pregnant or become pregnant and my unborn baby is exposed to isotretinoin.
- have been informed of and understand the purpose and importance of providing information to the iPLEDGE Program should I become pregnant while taking isotretinoin or within one month of the last dose.
- have interacted with the iPLEDGE Program before starting isotretinoin and on a monthly basis to answer questions on the program requirements and to enter my two chosen forms of birth control.

Initial: _____

My doctor has answered all my questions about isotretinoin and I understand that it is my responsibility not to get pregnant one month before, during isotretinoin treatment, or for one month after I stop taking isotretinoin.

Initial: _____

I now authorize my doctor _____ to begin my treatment with isotretinoin.

 Patient Signature: _____ Date: _____
 Parent/Guardian Signature (if under age 18): _____ Date: _____
 Please print: Patient Name and Address _____
 Telephone (_____) _____

I have fully explained to the patient, _____, the nature and purpose of the treatment described above and the risks to females of reproduction described above to the patient if she has any questions regarding her treatment with isotretinoin and have answered those questions to the best of my ability.

Doctor Signature: _____ Date: _____
PLACE THE ORIGINAL SIGNED DOCUMENTS IN THE PATIENT’S MEDICAL RECORD. PLEASE PROVIDE A COPY TO THE PATIENT.

PATIENT INFORMATION/INFORMED CONSENT (for all patients):
To be completed by patient (and parent or guardian if patient is under age 18) and signed by the doctor.

Read each item below and initial in the space provided if you understand each item and agree to follow your doctor’s instructions. A parent or guardian of a patient under age 18 must also read and understand each item before signing the agreement. **Do not sign this agreement and do not take isotretinoin if there is anything that you do not understand about all the information you have received about using isotretinoin.**

- I _____ (Patient’s Name) understand that isotretinoin is a medicine used to treat severe nodular acne that cannot be cleared up by any other acne treatments, including antibiotics. In severe nodular acne, many red, swollen, tender lumps form in the skin. If untreated, severe nodular acne can lead to permanent scars.

Initials: _____
- My doctor has told me about my choices for treating my acne.

Initials: _____
- I understand that there are serious side effects that may happen while I am taking isotretinoin. These have been explained to me. These side effects include serious birth defects in babies of pregnant patients. (Note: There is a second Patient Information/Informed Consent About Birth Defects (for female patients who can get pregnant).)

Initials: _____
- I understand that some patients, while taking isotretinoin or soon after stopping isotretinoin, have become depressed or developed other serious mental problems. Symptoms of depression include sad, “anxious” or empty mood, irritability, acting on dangerous impulses, anger, loss of pleasure or interest in social or sports activities, sleeping too much or too little, changes in weight or appetite, school or work performance going down or trouble concentrating. Some patients taking isotretinoin have had thoughts about hurting themselves or putting an end to their own lives (suicidal thoughts). Some people tried to end their own lives. And some people have ended their own lives. There were reports that some of these people did not appear depressed. There have been reports of patients on isotretinoin becoming aggressive or violent. No one knows if isotretinoin caused these behaviors or if they would have happened even if the person did not take isotretinoin. Some people have had other signs of depression while taking isotretinoin (see #7 below).

Initials: _____
- Before I start taking isotretinoin, I agree to tell my doctor if I have ever had symptoms of depression (see #7 below), been psychotic, attempted suicide, had any other mental problems or take medicines for any of these problems. Being psychotic means having a loss of contact with reality, such as hearing voices or seeing things that are not there.

Initials: _____
- Before I start taking isotretinoin, I agree to tell my doctor if, to the best of my knowledge, anyone in my family has ever had symptoms of depression, been psychotic, attempted suicide or had any other serious mental problems.

Initials: _____
- Once I start taking isotretinoin, I agree to stop using isotretinoin and tell my doctor right away if any of the following signs and symptoms of depression or psychosis happen. I:
 - Start to feel sad or have crying spells
 - Lose interest in activities I once enjoyed
 - Sleep too much or have trouble sleeping
 - Become more irritable, angry, or aggressive than usual (for example, temper outbursts, thoughts of violence)
 - Have a change in my appetite or body weight
 - Have trouble concentrating
 - Withdraw from my friends or family
 - Feel like I have no energy
 - Have feelings of worthlessness or guilt
 - Start having thoughts about hurting myself or taking my own life (suicidal thoughts)
 - Start acting on dangerous impulses
 - Start seeing or hearing things that are not real

Initials: _____
- I agree to return to see my doctor every month I take isotretinoin to get a new prescription for isotretinoin, to check my progress and to check for signs of side effects.

Initials: _____
- Isotretinoin will be prescribed just for me — I will not share isotretinoin with other people because it may cause serious side effects, including birth defects.

Initials: _____
- I will not give blood while taking isotretinoin or for one month after I stop taking isotretinoin. I understand that if someone who is pregnant with my donated blood, her baby may be exposed to isotretinoin and may be born with serious birth defects.

Initials: _____
- I have read *The iPLEDGE Program Patient Introductory Brochure*, and other materials my provider provided me containing important safety information about isotretinoin. I understand all the information I received.

Initials: _____
- I have decided I have decided I should take isotretinoin. I understand that I must be qualified in the iPLEDGE Program to have my prescription filled each month. I understand that I can stop taking isotretinoin at any time. I agree to tell my doctor if I stop taking isotretinoin.

Initials: _____

I now allow my doctor _____ to begin my treatment with isotretinoin.
 Patient Signature: _____ Date: _____
 Parent/Guardian Signature (if under age 18): _____ Date: _____
 Patient Name (print) _____
 Patient Address _____ Telephone (_____) _____

I have:

- fully explained to the patient, _____, the nature and purpose of isotretinoin treatment, including its benefits and risks
- provided the patient with the appropriate educational materials, *The iPLEDGE Program Patient Introductory Brochure* and asked the patient if he/she has any questions regarding his/her treatment with isotretinoin
- answered those questions to the best of my ability

Doctor Signature: _____ Date: _____
PLACE THE ORIGINAL SIGNED DOCUMENTS IN THE PATIENT’S MEDICAL RECORD. PLEASE PROVIDE A COPY TO THE PATIENT.

about Amnesteem?

- Amnesteem® is used to treat a type of severe acne (nodular acne) that has not been helped by other treatments, including antibiotics.
- Because Amnesteem can cause birth defects, Amnesteem is only for patients who can understand and agree to carry out all of the instructions in the iPLEDGE Program.
- Amnesteem may cause serious mental health problems.

- Birth defects (deformed babies), loss of a baby before birth (miscarriage), death of the baby and early (pre-mature) births.** Female patients who are pregnant or who plan to become pregnant must not take Amnesteem. **Female patients must not get pregnant:**
 - for 1 month before starting Amnesteem
 - while taking Amnesteem
 - for 1 month after stopping Amnesteem

If you get pregnant while taking Amnesteem, stop taking it right away and call your doctor. Doctors and patients should report all cases of pregnancy to:

- FDA MedWatch at 1-800-FDA-1088, and
- the iPLEDGE pregnancy registry at 1-866-495-0654

- Serious mental health problems.** Amnesteem may cause:
 - depression**
 - psychosis** (seeing or hearing things that are not real)
 - suicide.** Some patients taking Amnesteem have had thoughts about hurting themselves or putting an end to their own lives (suicidal thoughts). Some people tried to end their own lives. And some people have ended their own lives.

- depression**
- psychosis** (seeing or hearing things that are not real)
- suicide.** Some patients taking Amnesteem have had thoughts about hurting themselves or putting an end to their own lives (suicidal thoughts). Some people tried to end their own lives. And some people have ended their own lives.

Stop Amnesteem and call your doctor right away if you or a family member notices that you have any of the following signs and symptoms of depression or psychosis:

- start to feel sad or have crying spells
- lose interest in activities you once enjoyed
- sleep too much or have trouble sleeping
- become more irritable, angry, or aggressive than usual (for example, temper outbursts, thoughts of violence)
- have a change in your appetite or body weight
- have trouble concentrating
- withdraw from your friends or family
- feel like you have no energy
- have feelings of worthlessness or guilt
- start having thoughts about hurting yourself or taking your own life (suicidal thoughts)
- start acting on dangerous impulses
- start seeing or hearing things that are not real

After stopping Amnesteem, you may also need follow-up mental health care if you had any of these symptoms.

What is Amnesteem?

Amnesteem is a medicine taken by mouth to treat the most severe form of acne (nodular acne) that cannot be cleared up by any other acne treatments, including antibiotics. Amnesteem can cause serious side effects (see “**What is the most important information I should know about Amnesteem?**”). Amnesteem can only be:

- prescribed by doctors that are registered in the iPLEDGE Program
- dispensed by a pharmacy that is registered with the iPLEDGE Program
- given to patients who are registered in the iPLEDGE Program and agree to do everything required in the program

What is severe nodular acne?

Severe nodular acne is when many red, swollen, tender lumps form in the skin. These can be the size of pencil erasers or larger. If untreated, nodular acne can lead to permanent scars.

Who should not take Amnesteem?

- Do not take Amnesteem if you are pregnant, plan to become pregnant or become pregnant during Amnesteem treatment.** Amnesteem causes severe birth defects. See “**What is the most important information I should know about Amnesteem?**”
- Do not take Amnesteem if you are allergic to anything in it.** See the end of this Medication Guide for a complete list of ingredients in Amnesteem.

What should I tell my doctor before taking Amnesteem? Tell your doctor if you or a family member has any of the following health conditions:

- mental problems
- asthma
- liver disease
- diabetes
- heart disease
- bone loss (osteoporosis) or weak bones
- an eating problem called anorexia nervosa (where

people eat too little)

- food or medicine allergies

Tell your doctor if you are pregnant or breast-feeding. Amnesteem must not be used by women who are pregnant or breast-feeding.

Tell your doctor about all of the medicines you take including prescription and non-prescription medicines, vitamins and herbal supplements. Amnesteem and certain other medicines can interact with each other, sometimes causing serious side effects. Especially tell your doctor if you take:

- Vitamin A supplements.** Vitamin A in high doses has many of the same side effects as Amnesteem. Taking both together may increase your chance of getting side effects.
- Tetracycline antibiotics.** Tetracycline antibiotics taken with Amnesteem can increase the chances of getting increased pressure in the brain.
- Progestin-only birth control pills (mini-pills).** They may not work while you take Amnesteem. Ask your doctor or pharmacist if you are not sure what type you are using.
- Dilantin (phenytoin).** This medicine taken with Amnesteem may weaken your bones.
- Corticosteroid medicines.** These medicines taken with Amnesteem may weaken your bones.
- St. John’s Wort.** This herbal supplement may make birth control pills work less effectively.

These medicines should not be used with Amnesteem unless your doctor tells you it is okay.

Know the medicines you take. Keep a list of them to show to your doctor and pharmacist. Do not take any new medicine without talking with your doctor.

How should I take Amnesteem?

- You must take Amnesteem exactly as prescribed. You must also follow all the instructions of the iPLEDGE Program. Before prescribing Amnesteem, your doctor will:
 - explain the iPLEDGE Program to you
 - have you sign the Patient Information/Informed Consent form (for all patients). Female patients who can get pregnant must also sign another consent form.
- You will not be prescribed Amnesteem if you cannot agree to or follow all the instructions of the iPLEDGE Program.**
- You will get no more than a 30 day supply of Amnesteem at a time. This is to make sure you are following the Amnesteem iPLEDGE Program. You should talk with your doctor each month about side effects.
- The amount of Amnesteem you take has been specially chosen for you. It is based on your body weight, and may change during treatment.
- Take Amnesteem 2 times a day with a meal, unless your doctor tells you otherwise. **Swallow your Amnesteem capsules whole with a full glass of liquid. Do not chew or suck on the capsule.** Amnesteem can hurt the tube that connects your mouth to your stomach (esophagus) if it is not swallowed whole.
- If you miss a dose, just skip that dose. **Do not take two doses at the same time.**
- If you take too much Amnesteem or overdose, call your doctor or poison control center right away.
- Your acne may get worse when you first start taking Amnesteem. This should last only a short while. Talk with your doctor if this is a problem for you.
- You must return to your doctor as directed to make sure you don’t have signs of serious side effects. Your doctor may do blood tests to check for serious side effects from Amnesteem. Female patients who can get pregnant will get a pregnancy test each month.
- Female patients who can get pregnant must agree to use two separate forms of effective birth control at the same time one month before, while taking and for one month after taking Amnesteem. **You must access the iPLEDGE system to answer questions about the program requirements and to enter your two chosen forms of birth control.** To access the iPLEDGE system, go to www.ipledgeprogram.com or call 1-866-495-0654.

You must talk about effective birth control methods with your doctor or go for a free visit to talk about birth control with another doctor or family planning expert. Your doctor can arrange this free visit, which will be paid for by the company that makes Amnesteem.

- severe stomach, chest or bowel pain
- trouble swallowing or painful swallowing
- new or worsening heartburn
- diarrhea
- rectal bleeding
- yellowing of your skin or eyes
- dark urine

- bone and muscle problems.** Amnesteem may affect bones, muscles, and ligaments and cause pain in your joints or muscles. Tell your doctor if you plan hard physical activity during treatment with Amnesteem. Tell your doctor if you get:
 - back pain
 - joint pain
 - broken bone. Tell all healthcare providers that you take Amnesteem if you break a bone.
- Stop Amnesteem and call your doctor right away if you have muscle weakness. Muscle weakness with or without pain can be a sign of serious muscle damage.** Amnesteem may stop long bone growth in teenagers who are still growing.
- hearing problems.** Stop using Amnesteem and call your doctor if your hearing gets worse or if you have

ringing in your ears. Your hearing loss may be permanent.

What should I avoid while taking Amnesteem?

- Do not get pregnant** while taking Amnesteem and for one month after stopping Amnesteem. See “**What is the most important information I should know about Amnesteem?**”
- Do not breast-feed** while taking Amnesteem and for one month after stopping Amnesteem. We do not know if Amnesteem can pass through your milk and harm the baby.
- Do not give blood** while you take Amnesteem and for one month after stopping Amnesteem. If someone who is pregnant gets your donated blood, her baby may be exposed to Amnesteem and may be born with birth defects.
- Do not take other medicines or herbal products** with Amnesteem unless you talk to your doctor. See “**What should I tell my doctor before taking Amnesteem?**”
- Do not drive at night until you know if Amnesteem has affected your vision.** Amnesteem may decrease your ability to see in the dark.
- Do not have cosmetic procedures to smooth your skin, including waxing, dermabrasion, or laser procedures, while you are using Amnesteem and for at least 6 months after you stop.** Amnesteem can increase your chance of scarring from these procedures. Check with your doctor for advice about when you can have cosmetic procedures.
- Avoid sunlight and ultraviolet lights** as much as possible. Tanning machines use ultraviolet lights. Amnesteem may make your skin more sensitive to light.
- Do not share Amnesteem with other people.** It can cause birth defects and other serious health problems.

What are the possible side effects of Amnesteem?

- Amnesteem can cause birth defects (deformed babies), loss of a baby before birth (miscarriage), death of the baby and early (premature) births.** See “**What is the most important information I should know about Amnesteem?**”
- Amnesteem may cause serious mental health problems.** See “**What is the most important information I should know about Amnesteem?**”
- serious brain problems.** Amnesteem can increase the pressure in your brain. This can lead to permanent loss of eyesight and, in rare cases, death. Stop taking Amnesteem and call your doctor right away if you get any of these signs of increased brain pressure:
 - bad headache
 - blurred vision
 - dizziness
 - nausea or vomiting
 - seizures (convulsions)
 - stroke
- skin problems.** Skin rash can occur in patients taking Amnesteem. In some patients a rash can be serious. Stop using Amnesteem and call your doctor right away if you develop conjunctivitis (red or inflamed eyes, like “pink eye”), a rash with a fever, blisters on legs, arms or face and/or sores in your mouth, throat, nose, eyes, or if your skin begins to peel.

Stomach area (abdomen) problems. Certain symptoms may mean that your internal organs are being damaged. These organs include the liver, pancreas, bowel (intestines) and esophagus (connection between mouth and stomach). If your organs are damaged, they may not get better even after you stop taking Amnesteem. Stop taking Amnesteem and call your doctor if you get:

- severe stomach, chest or bowel pain
- trouble swallowing or painful swallowing
- new or worsening heartburn
- diarrhea
- rectal bleeding
- yellowing of your skin or eyes
- dark urine

- bone and muscle problems.** Amnesteem may affect bones, muscles, and ligaments and cause pain in your joints or muscles. Tell your doctor if you plan hard physical activity during treatment with Amnesteem. Tell your doctor if you get:
 - back pain
 - joint pain
 - broken bone. Tell all healthcare providers that you take Amnesteem if you break a bone.
- Stop Amnesteem and call your doctor right away if you have muscle weakness. Muscle weakness with or without pain can be a sign of serious muscle damage.** Amnesteem may stop long bone growth in teenagers who are still growing.
- hearing problems.** Stop using Amnesteem and call your doctor if your hearing gets worse or if you have

ringing in your ears. Your hearing loss may be permanent.

- vision problems.** Amnesteem may affect your ability to see in the dark. This condition usually clears up after you stop taking Amnesteem, but it may be permanent. Other serious eye effects can occur. Stop taking Amnesteem and call your doctor right away if you have any problems with your vision or dryness of the eyes that is painful or constant. If you wear contact lenses, you may have trouble wearing them while taking Amnesteem and after treatment.
- lipid (fats and cholesterol in blood) problems.** Amnesteem can raise the level of fats and cholesterol in your blood. This can be a serious problem. Return to your doctor for blood tests to check your lipids and to get any needed treatment. These problems usually go away when Amnesteem treatment is finished.
- serious allergic reactions.** Stop taking Amnesteem and get emergency care right away if you develop hives, a swollen face or mouth or have trouble breathing. Stop taking Amnesteem and call your doctor if you get a fever, rash or red patches or bruises on your legs.
- blood sugar problems.** Amnesteem may cause blood sugar problems including diabetes. Tell your doctor if you are very thirsty or urinate a lot.
- decreased red and white blood cells.** Call your doctor if you have trouble breathing, faint or feel weak.
- The common, less serious side effects of Amnesteem** are dry skin, chapped lips, dry eyes and dry nose that may lead to nosebleeds. Call your doctor if you get any side effect that bothers you or that does not go away.

These are not all of the possible side effects with Amnesteem. Your doctor or pharmacist can give you more detailed information.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store Amnesteem?

- Store at 68° to 77°F (20° to 25°C). Protect from light.
- Keep Amnesteem and all medicines out of the reach of children.**

General Information about Amnesteem

Medicines are sometimes prescribed for conditions that are not mentioned in Medication Guides. Do not use Amnesteem for a condition for which it was not prescribed. Do not give Amnesteem to other people, even if they have the same symptoms that you have. It may harm them.

This Medication Guide summarizes the most important information about Amnesteem. If you would like more information, talk with your doctor. You can ask your doctor or pharmacist for information about Amnesteem that is written for healthcare professionals.

You can also call Mylan Pharmaceuticals Inc. at 1-877-446-3679 (1-877-4-INFO-RX), the iPLEDGE Program at 1-866-495-0654 or visit www.ipledgeprogram.com.

What are the ingredients in