

# GLEOSTINE - lomustine capsule, gelatin coated

## Azurity Pharmaceuticals, Inc.

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### HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use GLEOSTINE safely and effectively. See full prescribing information for GLEOSTINE.

GLEOSTINE® (lomustine) capsules, for oral use

Initial U.S. Approval: 1976

#### WARNING: DELAYED MYELOSUPPRESSION and RISK OF OVERDOSAGE

*See full prescribing information for complete boxed warning.*

##### Delayed Myelosuppression

**Gleostine causes myelosuppression including fatal myelosuppression. Myelosuppression is delayed, dose-related, and cumulative. Thrombocytopenia is generally more severe than leukopenia. Monitor blood counts and do not give Gleostine more frequently than every 6 weeks. (2.2, 2.3, 5.1)**

##### Risk of Overdosage

**PRESCRIBE, DISPENSE, AND ADMINISTER ONLY ENOUGH CAPSULES FOR ONE DOSE. Fatal toxicity occurs with overdosage of Gleostine. Both physician and pharmacist should emphasize to patient that only one dose of Gleostine is taken every 6 weeks. (2.1, 5.2, 10)**

#### INDICATIONS AND USAGE

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Gleostine is an alkylating drug indicated for the treatment of patients with:

- Brain tumors, primary and metastatic, following appropriate surgical and/or radiotherapeutic procedures. (1)
- Hodgkin's lymphoma in combination with other chemotherapies, following disease progression with initial chemotherapy. (1)

#### DOSAGE AND ADMINISTRATION

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- Recommended dose in adult and pediatric patients is 130 mg/m<sup>2</sup> orally every 6 weeks. (2.1)
- Round dose to nearest 10 mg.
- Give as a single oral dose and do not repeat for at least 6 weeks.

#### DOSAGE FORMS AND STRENGTHS

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Capsules: 10 mg, 40 mg, and 100 mg (3)

#### WARNINGS AND PRECAUTIONS

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- Pulmonary toxicity: Pulmonary infiltrates and/or fibrosis occurs with Gleostine. Perform pulmonary function tests prior to treatment and repeat frequently. Permanently discontinue Gleostine in patients diagnosed with pulmonary fibrosis. (5.3)
- Secondary malignancies: Acute leukemia and myelodysplasia can occur with long-term use. (5.4)
- Hepatotoxicity: Increased levels of transaminases, alkaline phosphatase and bilirubin can occur with Gleostine. Monitor liver function. (5.5)
- Nephrotoxicity: Can cause renal failure. Monitor renal function. (5.6)
- Embryo-fetal toxicity: Can cause fetal harm. Advise males and females of reproductive potential of the potential risk to a fetus and to use effective contraception. (5.7, 8.1, 8.3)

#### ADVERSE REACTIONS

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Common adverse reactions include delayed myelosuppression, nausea, vomiting, stomatitis, and alopecia. (6)

**To report SUSPECTED ADVERSE REACTIONS, contact Azurity Pharmaceuticals, Inc. at 1-800-**

Lactation: Do not breastfeed. (8.2)

See 17 for **PATIENT COUNSELING INFORMATION**.

Revised: 9/2025

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## FULL PRESCRIBING INFORMATION

### **WARNING: DELAYED MYELOSUPPRESSION AND RISK OF OVERDOSAGE**

#### **DELAYED MYELOSUPPRESSION**

**Gleostine causes myelosuppression including fatal myelosuppression. Myelosuppression is delayed, dose-related, and cumulative; occurring 4 to 6 weeks after drug administration and persisting for 1 to 2 weeks. Thrombocytopenia is generally more severe than leukopenia. Cumulative myelosuppression from Gleostine is manifested by greater severity and longer duration of cytopenias. Monitor blood counts for at least 6 weeks after each dose. Do not give Gleostine more frequently than every 6 weeks [see Warnings and Precautions (5.1), Dosage and Administration (2.2, 2.3)].**

#### **RISK OF OVERDOSAGE**

**PRESCRIBE, DISPENSE, AND ADMINISTER ONLY ENOUGH CAPSULES FOR ONE DOSE. Fatal toxicity occurs with overdosage of Gleostine. Both physician and pharmacist should emphasize to the patient that only one dose of Gleostine is taken every 6 weeks [see Dosage and Administration (2.1), Warnings and Precautions (5.2), Overdosage (10)].**

## **1 INDICATIONS AND USAGE**

### **1.1 Brain Tumors**

Gleostine is indicated for the treatment of patients with primary and metastatic brain tumors following appropriate surgical and/or radiotherapeutic procedures.

### **1.2 Hodgkin's Lymphoma**

Gleostine is indicated as a component of combination chemotherapy for the treatment of patients with Hodgkin's lymphoma whose disease has progressed following initial chemotherapy.

## **2 DOSAGE AND ADMINISTRATION**

### **2.1 Important Prescribing and Dispensing Information**

**PRESCRIBE ONLY ONE DOSE FOR EACH TREATMENT CYCLE. DO NOT DISPENSE ENTIRE CONTAINER.** Dispense only a sufficient number of capsules for one dose.

Confirm the total dose prescribed by the physician and the appropriate combination of capsule strengths.

Dispense only the appropriate number of Gleostine capsules required for the administration of a single dose.

The prescribed dose may consist of two or more different strengths and colors of capsules.

Instruct patients that Gleostine is taken as a single oral dose and will not be repeated for at least 6 weeks. Taking more than the recommended dose causes toxicities, including fatal outcomes [see *Warnings and Precautions (5.2) and Overdosage (10)*].

Gleostine is a cytotoxic drug. Follow applicable special handling and disposal procedures.<sup>1</sup>

To minimize the risk of dermal exposure, always wear impervious gloves when handling bottles containing Gleostine capsules. Do not break Gleostine capsules; avoid exposure to broken capsules. If dermal contact occurs, wash areas of skin contact immediately and thoroughly.

## 2.2 Recommended Dose

The recommended dose of Gleostine in adult and pediatric patients is 130 mg/m<sup>2</sup> taken as a single oral dose every 6 weeks. Round doses to the nearest 10 mg. Give as a single oral dose and do not repeat for at least 6 weeks. Reduce dose to 100 mg/m<sup>2</sup> every 6 weeks in patients with compromised bone marrow function. Also reduce dose accordingly when using with other myelosuppressive drugs.

## 2.3 Dose Modifications

Perform weekly complete blood counts and withhold each subsequent dose for more than 6 weeks if needed until platelet counts recover to 100,000/mm<sup>3</sup> or greater and leukocytes recover to 4000/mm<sup>3</sup> or greater [see *Warnings and Precautions (5.1)*].

Modify each dose of Gleostine according to the hematologic response of the preceding dose as described in Table 1:

**Table 1. Dose Modifications for Gleostine**

Nadir After Prior Dose		Dose Adjustment
Leukocytes (/mm <sup>3</sup> )	Platelets (/mm <sup>3</sup> )	
≥ 4000	≥ 100,000	None
3000 - 3999	75,000 - 99,999	None
2000 - 2999	25,000 - 74,999	Reduce dose by 30%
< 2000	< 25,000	Reduce dose by 50%

## 3 DOSAGE FORMS AND STRENGTHS

Gleostine capsules are available in three strengths, distinguishable by the color of the

capsules:

- 100 mg capsules (green/green)
- 40 mg capsules (white/green)
- 10 mg capsules (white/white)

## **4 CONTRAINDICATIONS**

None.

## **5 WARNINGS AND PRECAUTIONS**

### **5.1 Delayed Myelosuppression**

Gleostine causes myelosuppression that can result in fatal infections and bleeding. Myelosuppression from Gleostine is delayed, dose-related, and cumulative. It usually occurs 4 to 6 weeks after drug administration and persists for 1 to 2 weeks. Thrombocytopenia is generally more severe than leukopenia. Cumulative myelosuppression from Gleostine is manifested by greater severity and longer duration of cytopenias.

Monitor blood counts for at least 6 weeks after each dose. Do not give Gleostine more frequently than every 6 weeks. Adjust dose based on nadir blood counts from prior dose [*see Dosage and Administration (2.3)*].

### **5.2 Risk of Overdosage**

Fatal toxicity occurs with overdosage of Gleostine. Dispensing or administering more than one dose can lead to fatal toxicity.

Prescribe only one dose at a time. Dispense only enough capsules for one dose. Both physician and pharmacist should emphasize to the patient that only one dose of Gleostine is taken every 6 weeks [*see Dosage and Administration (2.1) and Overdosage (10)*].

### **5.3 Pulmonary Toxicity**

Pulmonary toxicity characterized by pulmonary infiltrates and/or fibrosis occurs with Gleostine. Patients with a baseline below 70% of the predicted Forced Vital Capacity (FVC) or Carbon Monoxide Diffusing Capacity (DL<sub>CO</sub>) are at increased risk. The onset of pulmonary toxicity occurs after an interval of 6 months or longer from the start of therapy, with cumulative doses of Gleostine usually greater than 1100 mg/m<sup>2</sup>.

Obtain baseline pulmonary function tests prior to initiating treatment and repeat frequently during treatment. Permanently discontinue Gleostine in patients diagnosed with pulmonary fibrosis.

### **5.4 Secondary Malignancies**

Secondary malignancies, including acute leukemia and myelodysplasia, occur with long term use.

### **5.5 Hepatotoxicity**

Hepatic toxicity, manifested by increased levels of transaminases, alkaline phosphatase, and bilirubin occurs with Gleostine.

Monitor liver function.

## **5.6 Nephrotoxicity**

Progressive renal failure with a decrease in kidney size occurs with Gleostine.

Monitor renal function.

## **5.7 Embryo-Fetal Toxicity**

Based on animal data and its mechanism of action, Gleostine can cause fetal harm when administered to a pregnant woman. Embryo-fetal toxicity and teratogenicity occurred in rats and rabbits receiving lomustine daily during organogenesis at doses approximately two to four times the total human dose of 130 mg/m<sup>2</sup> over 6 weeks (0.18 to 0.27 times the single human dose of 130 mg/m<sup>2</sup>) based on body surface area (BSA). Advise pregnant women of the potential risk to a fetus. Advise females of reproductive potential to use effective contraception during treatment with Gleostine and for 2 weeks after the final dose. Advise males with female partners of reproductive potential to use effective contraception during treatment with Gleostine and for 3.5 months after the final dose [see *Use in Specific Populations (8.1, 8.3)*].

## **6 ADVERSE REACTIONS**

The following serious adverse reactions are discussed in greater detail in other sections of the labeling:

- Delayed myelosuppression [see *Warnings and Precautions (5.1)*]
- Risks of overdosage [see *Warnings and Precautions (5.2)*]
- Pulmonary toxicity [see *Warnings and Precautions (5.3)*]
- Secondary malignancies [see *Warnings and Precautions (5.4)*]
- Hepatotoxicity [see *Warnings and Precautions (5.5)*]
- Nephrotoxicity [see *Warnings and Precautions (5.6)*]

The following adverse reactions associated with the use of Gleostine were identified in clinical trials or postmarketing reports. Because these reactions were reported from a population of uncertain size, it is not possible to estimate their frequency, reliability, or establish a causal relationship to drug exposure.

*Gastrointestinal disorders:* nausea, vomiting, and stomatitis

*Ocular disorders:* optic atrophy, visual disturbances, and blindness

*Neurologic disorders:* disorientation, lethargy, ataxia, and dysarthria

*Other:* alopecia

## **8 USE IN SPECIFIC POPULATIONS**

### **8.1 Pregnancy**

### Risk Summary

Based on animal data and its mechanism of action, Gleostine can cause fetal harm when administered to a pregnant woman [see *Clinical Pharmacology (12.1)*]. There are no available data on Gleostine exposure in pregnant women. Lomustine was teratogenic in rats and embryotoxic in rabbits at total dose levels approximately two to four times the total human dose of 130 mg/m<sup>2</sup> over 6 weeks (0.18 to 0.27 times the single human dose of 130 mg/m<sup>2</sup>) based on BSA [see *Data*]. Advise pregnant women of the potential risk to a fetus.

In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2-4% and 15-20%, respectively.

### Data

#### *Animal Data*

Lomustine was administered by intraperitoneal injection daily to pregnant rats during the period of organogenesis at dose levels of 0, 2, 4, 6, and 8 mg/kg. Resorption rates and post-implantation loss occurred at doses greater than or equal to 4 mg/kg (approximately 0.18 times the clinical dose of 130 mg/m<sup>2</sup> based on BSA or approximately twice the total clinical dose of lomustine over 6 weeks). Malformations (omphalocele, ectopia cordis, scoliosis, syndactyly, hydrocephalus, microphthalmia, anophthalmia, anomalies of aortic arch, dextrocardia, malpositioning of the ovaries and testes, sternoschisis, and shortened/misshapen bone of the fore or hind limbs) and decreased fetal body weight occurred at all dose levels. In pregnant rabbits treated with lomustine at 3 mg/kg (approximately 0.27 times the 130 mg/m<sup>2</sup> clinical dose based on BSA or approximately four times the total clinical dose of lomustine over 6 weeks) during organogenesis, there were increases in abortions and decreases in surviving pup weight that persisted postnatally.

## **8.2 Lactation**

### Risk Summary

There is no information on the presence of lomustine or its metabolites in human milk, its effects on the breastfed infant, or its effects on milk production. Because of the potential for serious adverse reactions in breastfed infants from Gleostine, advise women not to breastfeed during treatment with Gleostine and for 2 weeks after the final dose.

## **8.3 Females and Males of Reproductive Potential**

### Contraception

#### *Females*

Based on animal data and its mechanism of action, Gleostine can cause fetal harm [see *Use in Specific Populations (8.1)*]. Advise females of reproductive potential to use effective contraception during treatment and for 2 weeks after the final dose.

#### *Males*

Based on Gleostine's mechanism of action, advise males with female partners of reproductive potential to use effective contraception during treatment with Gleostine and for 3.5 months after the final dose [see *Clinical Pharmacology (12.1)*].

### Infertility

Based on animal findings and its mechanism of action, Gleostine may result in reduced fertility in males and females of reproductive potential [see *Nonclinical Toxicology (13.1)*].

## 8.4 Pediatric Use

Pediatric use, including dose, is not based on adequate and well-controlled clinical studies.

## 8.5 Geriatric Use

No data in the clinical studies of Gleostine are available for patients 65 years of age and over to determine whether they respond differently than younger patients. Other reported clinical experience has not identified differences in responses between elderly and younger patients. In general, dose selection for an elderly patient should be cautious, reflecting the greater frequency of decreased hepatic, renal, or cardiac function and of concomitant disease or other drug therapy.

Lomustine and its metabolites are known to be substantially excreted by the kidney, and the risk of toxic reactions to this drug may be greater in patients with impaired renal function. Because elderly patients are more likely to have decreased renal function, care should be taken in dose selection, and renal function should be monitored.

## 10 OVERDOSAGE

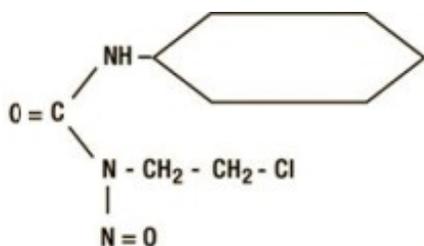
Overdosage with Gleostine has occurred, including fatal cases [see *Dosage and Administration (2.1)*, *Warnings and Precautions (5.2)*]. Overdosage causes severe myelosuppression, as well as abdominal pain, diarrhea, vomiting, anorexia, lethargy, dizziness, abnormal hepatic function, cough, and shortness of breath.

No antidotes exist for Gleostine overdosage.

## 11 DESCRIPTION

Gleostine (lomustine) is an alkylating drug for oral administration. The chemical name for lomustine is 1-(2-chloro-ethyl)-3-cyclohexyl-1-nitrosourea and the molecular formula is  $C_9H_{16}ClN_3O_2$ . The molecular weight is 233.71. Lomustine is a yellow powder, which is soluble in 10% ethanol (0.05 mg per mL) and in absolute alcohol (70 mg per mL). Lomustine is insoluble in water (<0.05 mg per mL).

The chemical structure is:



Gleostine is supplied as 10 mg, 40 mg, and 100 mg capsules and contains the following

inactive ingredients: magnesium stearate NF and mannitol USP. The capsule shells are composed of gelatin and coloring pigments, depending on the strength: titanium dioxide, and/or yellow iron oxide, and/or Indigotine – FD&C Blue2.

## **12 CLINICAL PHARMACOLOGY**

### **12.1 Mechanism of Action**

Lomustine alkylates DNA and RNA. As with other nitrosoureas, it may also inhibit several key enzymatic processes by carbamylation of amino acids in proteins.

### **12.2 Pharmacodynamics**

The pharmacodynamics of lomustine are unknown.

### **12.3 Pharmacokinetics**

#### Distribution

Lomustine crosses the blood-brain barrier.

#### Elimination

The serum half-life of lomustine metabolites ranges from 16 hours to 48 hours.

#### *Metabolism*

Metabolic pathways involved in the elimination of lomustine have not been characterized.

#### *Excretion*

Following oral administration of radioactive lomustine at doses ranging from 30 mg/m<sup>2</sup> to 100 mg/m<sup>2</sup>, approximately half of the radioactivity administered was excreted in the urine in the form of degradation products within 24 hours.

#### Specific Populations

The impact of patient specific (e.g., age, sex, and race) or disease (e.g., renal or hepatic impairment) characteristics on the pharmacokinetics of lomustine is unknown.

## **13 NONCLINICAL TOXICOLOGY**

### **13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility**

Lomustine is carcinogenic in rats and mice, producing a marked increase in tumor incidence in doses lower than those employed clinically.

In female rats, daily intraperitoneal treatment with lomustine for 2 weeks prior to mating with untreated males resulted in dose dependent decreases in number of corpora lutea and resorption rates with no live births at a dose of 3 mg/kg (approximately 0.14 times the recommended clinical dose of 130 mg/m<sup>2</sup> based on body surface area (BSA), or approximately twice the total clinical dose of lomustine over 6 weeks) and decreased pup survival during the first 4 postnatal days at doses greater than or equal to 1.5 mg/kg (a daily dose of approximately 0.06 times the recommended clinical dose of 130 mg/m<sup>2</sup> based on BSA or approximately equal to the total clinical dose of lomustine over 6 weeks). Gleostine may also result in decreased male fertility. Intraperitoneal injection of lomustine resulted in decreased fertility in male rats mated to untreated females based on decreased implantations and decreased fetal body weight at weekly doses greater than or equal to 5 mg/kg (approximately 0.23 times the single clinical dose of 130 mg/m<sup>2</sup>

based on BSA, or approximately equal to the total clinical dose of lomustine over 6 weeks), and increased resorptions at doses greater than or equal to 2.5 mg/kg/week.

## 15 REFERENCES

OSHA. <http://www.osha.gov/SLTC/hazardousdrugs/index.html>.

## 16 HOW SUPPLIED/STORAGE AND HANDLING

### 16.1 How Supplied

Gleostine is available in three strengths, distinguishable by the color of the capsules, in individual bottles of 5 capsules each:

Strength	Capsule Description	NDC Code
100 mg	Moss green cap and body, imprinted in black ink, with "CPL" over "3032" on the cap and "100 mg" on the body of the capsule.	24338-342-05
40 mg	White cap and a moss green body, imprinted in black ink, with "CPL" over "3031" on the cap and "40 mg" on the body of the capsule.	24338-341-05
10 mg	White cap and body, imprinted in black ink, with "CPL" over "3030" on the cap and "10 mg" on the body of the capsule	24338-340-05

### 16.2 Storage and Handling

Store at 25°C (77°F); excursions permitted to 15°C to 30°C (59°F to 86°F) [see USP Controlled Room Temperature]. Avoid temperatures over 40°C (104°F).

Gleostine is a cytotoxic drug. Follow applicable special handling and disposal procedures.<sup>1</sup>

To minimize the risk of dermal exposure, always wear impervious gloves when handling bottles containing Gleostine capsules. Do not break Gleostine capsules; avoid exposure to broken capsules. If dermal contact occurs, wash areas of skin contact immediately and thoroughly.

## 17 PATIENT COUNSELING INFORMATION

### Myelosuppression

Advise patients that periodic assessment of their blood counts are required. Advise patients to contact their healthcare provider for new onset of bleeding or fever or symptoms of infection [see *Warnings and Precautions (5.1)*].

### Overdosage

Advise patients that toxicity including fatal toxicity occurs with Gleostine overdosage

*[see Warnings and Precautions (5.2), Overdosage (10), Dosage and Administration (2.1)].*

Advise patients to take Gleostine as directed:

- Gleostine is taken as a single oral dose that will not be repeated for at least 6 weeks.
- Use of the recommended dose at less than 6 week intervals leads to toxicities including fatal toxicities.
- Each dose may consist of 2 or more different strengths and colors of capsules.

#### Pulmonary Fibrosis

Advise patients to contact their healthcare provider for new or worsening cough, chest pain, or shortness of breath *[see Warnings and Precautions (5.3)].*

#### Hepatotoxicity

Inform patients that Gleostine can cause hepatotoxicity and that liver function monitoring during treatment is necessary *[see Warnings and Precautions (5.5)].*

#### Nephrotoxicity

Inform patients that Gleostine can cause nephrotoxicity and that renal function and electrolyte monitoring during treatment is necessary *[see Warnings and Precautions (5.6)].*

#### Embryo-Fetal Toxicity

Advise females of reproductive potential of the potential risk to a fetus and to inform their healthcare provider of a known or suspected pregnancy *[see Warnings and Precautions (5.7), Use in Specific Populations (8.1)].*

Advise females of reproductive potential to use effective contraception during treatment with Gleostine and for at least 2 weeks after the final dose *[see Use in Specific Populations (8.3)].*

Advise male patients with female partners of reproductive potential to use condoms during treatment with Gleostine and for 3.5 months after the final dose *[see Use in Specific Populations (8.3)].*

#### Lactation

Advise women not to breastfeed during treatment with Gleostine and for 2 weeks after the final dose *[see Use in Specific Populations (8.2)].*

#### Infertility

Advise females and males of reproductive potential of the potential for reduced fertility from Gleostine *[see Use in Specific Populations (8.3) and Nonclinical Toxicology (13.1)].*

Gleostine<sup>®</sup> is a registered trademark of Azurity Pharmaceuticals, Inc.

Manufactured by Latina Pharma S.p.A., Sermoneta (LT), Italy for:

Azurity Pharmaceuticals, Inc.

Woburn, MA 01801 USA

Rev.00 SEP2025

### **Principal Display Panel - Carton Label**

**NDC 24338-342-05 5 capsules**

**Gleostine<sup>®</sup>**

(lomustine) Capsules

**100 mg per capsule**

**Caution: DO NOT DISPENSE  
ENTIRE CONTAINER.  
Dispense only enough  
capsules for one dose.**

Rx Only

Azurity Pharmaceuticals, Inc.



**Principal Display Panel - Label**

**NDC 24338-342-05 5 capsules**

**Gleostine®**  
(Iomustine) Capsules

**100 mg per capsule**

**Caution: DO NOT DISPENSE  
ENTIRE CONTAINER.  
Dispense only enough  
capsules for one dose.**

Rx Only

Azurity Pharmaceuticals, Inc.

The image shows a rectangular label for Gleostine capsules. On the left side, there is a vertical barcode. The main text on the label includes: 'NDC 24338-342-05 5 capsules' at the top right; 'Gleostine® (Iomustine) Capsules 100 mg per capsule' in large blue and red font; a yellow warning box with the text 'Caution: DO NOT DISPENSE ENTIRE CONTAINER. Dispense only enough capsules for one dose.'; the Azurity Pharmaceuticals logo; and 'Rx only' in green. On the left side of the label, there is a vertical column of text: 'Caution: Cytotoxic Agent. Wear gloves at all times when handling containers and capsules.', 'Usual Dosage: Adults: 130 mg/m<sup>2</sup> every 6 weeks', and 'See Package Insert'. Below this, it says 'Store at 25°C (77°F); excursions permitted to 15°C to 30°C (59°F to 86°F). Avoid excessive heat (over 40°C, 104°F). Dispense in tight containers. Protect from light.' On the right side, it says 'Manufactured by Latina Pharma S.p.A., Sermoneta (LT), Italy for: Azurity Pharmaceuticals, Inc. Woburn, MA 01801 USA', 'Rev.00 SEP2025 3003465', another vertical barcode, and '3 24338 34205 3'. At the bottom right, it says 'Lot: YYY-MM' and 'Exp: YYY-MM'.

**Principal Display Panel - Carton Label**

**NDC 24338-341-05 5 capsules**

**Gleostine®**  
(Iomustine) Capsules

**40 mg per capsule**

**Caution: DO NOT DISPENSE  
ENTIRE CONTAINER.  
Dispense only enough  
capsules for one dose.**

Rx Only

Azurity Pharmaceuticals, Inc.



## Principal Display Panel - Label

**NDC 24338-341-05 5 capsules**

**Gleostine®**  
(Iomustine) Capsules

**40 mg per capsule**

**Caution: DO NOT DISPENSE  
ENTIRE CONTAINER.  
Dispense only enough  
capsules for one dose.**

Rx Only

Azurity Pharmaceuticals, Inc.

**Caution: Cytotoxic Agent**  
Wear gloves at all times when handling containers and capsules.

**Usual Dosage:**  
Adults: 130 mg/m<sup>2</sup> every 6 weeks

**See Package Insert**

Store at 25°C (77°F); excursions permitted to 15°C to 30°C (59°F to 86°F). Avoid excessive heat (over 40°C, 104°F). Dispense in tight containers. Protect from light.

NDC 24338-341-05 5 capsules

**Gleostine<sup>®</sup>**  
(Iomustine) Capsules  
**40 mg per capsule**

**Caution: DO NOT DISPENSE ENTIRE CONTAINER.**  
Dispense only enough capsules for one dose.

**azurity<sup>®</sup>**  
pharmaceuticals

Rx only

Manufactured by Latina Pharma S.p.A., Sermoneta (LT), Italy for:  
Azurity Pharmaceuticals, Inc. Rev.00 SEP2025  
Woburn, MA 01801 USA 3003463

3 24338 34105 6

Lot: **YYYY-MM**  
Exp:

### Principal Display Panel - Carton Label

NDC 24338-340-05 5 capsules

**Gleostine<sup>®</sup>**  
(Iomustine) Capsules

**10 mg per capsule**

**Caution: DO NOT DISPENSE ENTIRE CONTAINER.**  
**Dispense only enough capsules for one dose.**

Rx Only

Azurity Pharmaceuticals, Inc.



**Principal Display Panel - Label**

**NDC 24338-340-05 5 capsules**

**Gleostine®**  
 (Iomustine) Capsules

**10 mg per capsule**

**Caution: DO NOT DISPENSE  
 ENTIRE CONTAINER.  
 Dispense only enough  
 capsules for one dose.**

Rx Only

Azurity Pharmaceuticals, Inc.



**Caution: Cytotoxic Agent**  
Wear gloves at all times when handling containers and capsules.

**Usual Dosage:**  
Adults: 130 mg/m<sup>2</sup> every 6 weeks  
See Package Insert

Store at 25°C (77°F); excursions permitted to 15°C to 30°C (59°F to 86°F). Avoid excessive heat (over 40°C, 104°F). Dispense in tight containers. Protect from light.

NDC 24338-340-05 5 capsules

**Gleostine<sup>®</sup>**  
(Iomustine) Capsules  
**10 mg per capsule**

**Caution: DO NOT DISPENSE ENTIRE CONTAINER.**  
Dispense only enough capsules for one dose.

**azurity<sup>®</sup>**  
pharmaceuticals

Rx only

Manufactured by Latina Pharma S.p.A., Sermoneta (LT), Italy for:  
Azurity Pharmaceuticals, Inc. Rev.00 SEP2025  
Woburn, MA 01801 USA 3003461



3 24338 34005 9

Lot: **YYYY-MM**  
Exp:

## GLEOSTINE

Iomustine capsule, gelatin coated

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:24338-341
<b>Route of Administration</b>	ORAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
LOMUSTINE (UNII: 7BRF0Z81KG) (LOMUSTINE - UNII:7BRF0Z81KG)	LOMUSTINE	40 mg

### Inactive Ingredients

Ingredient Name	Strength
MAGNESIUM STEARATE (UNII: 70097M6I30)	
MANNITOL (UNII: 3OWL53L36A)	

### Product Characteristics

<b>Color</b>	GREEN (green) , WHITE (white)	<b>Score</b>	no score
<b>Shape</b>	CAPSULE (CAPSULE)	<b>Size</b>	18mm
<b>Flavor</b>		<b>Imprint Code</b>	CPL;3031;40;mg
<b>Contains</b>			

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:24338-341-05	1 in 1 CARTON	10/24/2025	

1	5 in 1 BOTTLE; Type 0: Not a Combination Product		
<b>Marketing Information</b>			
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA017588	10/24/2025	

**GLEOSTINE**  
lomustine capsule, gelatin coated

<b>Product Information</b>			
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:24338-340
Route of Administration	ORAL		

<b>Active Ingredient/Active Moiety</b>			
Ingredient Name	Basis of Strength	Strength	
LOMUSTINE (UNII: 7BRF0Z81KG) (LOMUSTINE - UNII:7BRF0Z81KG)	LOMUSTINE	10 mg	

<b>Inactive Ingredients</b>			
Ingredient Name	Strength		
MAGNESIUM STEARATE (UNII: 70097M6I30)			
MANNITOL (UNII: 3OWL53L36A)			

<b>Product Characteristics</b>			
Color	WHITE (white)	Score	no score
Shape	CAPSULE (CAPSULE)	Size	16mm
Flavor		Imprint Code	CPL;3030;10;mg
Contains			

<b>Packaging</b>				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:24338-340-05	1 in 1 CARTON	10/24/2025	
1		5 in 1 BOTTLE; Type 0: Not a Combination Product		

<b>Marketing Information</b>				
Marketing	Application Number or Monograph	Marketing Start	Marketing End	

Category	Citation	Date	Date
NDA	NDA017588	10/24/2025	

## GLEOSTINE

lomustine capsule, gelatin coated

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:24338-342
<b>Route of Administration</b>	ORAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
LOMUSTINE (UNII: 7BRF0Z81KG) (LOMUSTINE - UNII:7BRF0Z81KG)	LOMUSTINE	100 mg

### Inactive Ingredients

Ingredient Name	Strength
MAGNESIUM STEARATE (UNII: 70097M6I30)	
MANNITOL (UNII: 3OWL53L36A)	

### Product Characteristics

<b>Color</b>	GREEN (green)	<b>Score</b>	no score
<b>Shape</b>	CAPSULE (CAPSULE)	<b>Size</b>	19mm
<b>Flavor</b>		<b>Imprint Code</b>	CPL;3032;100;mg
<b>Contains</b>			

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:24338-342-05	1 in 1 CARTON	10/24/2025	
1		5 in 1 BOTTLE; Type 0: Not a Combination Product		

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA017588	10/24/2025	

**Labeler** - Azurity Pharmaceuticals, Inc. (117505635)

