HIGHLIGHTS OF PRESCRIBING INFORMATION

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

NYMALIZE (nimodipine) oral solution Initial U.S. Approval: 1988

-----INDICATIONS AND USE-----NYMALIZE is a dihydropyridine calcium channel blocker indicated for the improvement of neurological outcome by reducing the incidence and severity of ischemic deficits in adult patients with subarachnoid hemorrhage (SAH) from ruptured intracranial berry aneurysms regardless of their post-ictus neurological condition (i.e., Hunt and Hess Grades I-V). (1)

-----DOSAGE AND ADMINISTRATION------

- Administer only enterally (e.g., oral, nasogastric tube, or gastric tube route). Do not administer intravenously or by other parenteral routes (2.1)
- Give one hour before a meal or two hours after a meal (2.1)
- Start dosing within 96 hours of the SAH (2.1)
- Recommended dose is 20 mL (60 mg) every 4 hours for 21 consecutive days (2.2)
- Nasogastric or Gastric Tube Administration: Administer 20 mL (60 mg) every 4 hours with supplied oral syringe. Refill syringe with 20 mL of 0.9% saline water solution; flush remaining contents from nasogastric or gastric tube into stomach (2.3)
- Patients with Cirrhosis: Reduce dosage to 10 mL (30 mg) every 4 hours (2.4)

-----DOSAGE FORMS AND STRENGTHS------Oral solution: 60 mg per 20 mL (3)

-----CONTRAINDICATIONS------None (4)

------WARNINGS AND PRECAUTIONS------

- *Hypotension:* Monitor blood pressure (5.1)
- Patients with Cirrhosis: Higher risk of adverse reactions. Monitor blood pressure and pulse (5.2)
- CYP3A4 Strong Inhibitors: May significantly increase risk of hypotension. Concomitant use with NYMALIZE should generally be avoided (5.3)
- CYP3A4 Strong Inducers: May significantly reduce efficacy of nimodipine. Concomitant use with NYMALIZE should generally be avoided (5.4)

-----ADVERSE REACTIONS------Most common adverse reactions (incidence $\geq 1\%$ and $\geq 1\%$ placebo) were hypotension, headache, nausea, and bradycardia (6) To report SUSPECTED ADVERSE REACTIONS, contact Arbor Pharmaceuticals, Inc. at 1-866-516-4950 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

-----DRUG INTERACTIONS------

- Anti-Hypertensives: May increase risk of hypotension. Monitor blood pressure (7.1)
- CYP3A4 Moderate and Weak Inhibitors: May increase risk of hypotension. Monitor blood pressure. Dose reduction of NYMALIZE may be needed. Avoid grapefruit juice. (7.2)
- CYP3A4 Moderate and Weak Inducers: May reduce efficacy of NYMALIZE. Dose increase may be needed (7.3)

-----USE IN SPECIFIC POPULATIONS------

• *Pregnancy:* Based on animal data may cause fetal harm (8.1)

See 17 for PATIENT COUNSELING INFORMATION

Revised: May 2013

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FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE

NYMALIZE is indicated for the improvement of neurological outcome by reducing the incidence and severity of ischemic deficits in adult patients with subarachnoid hemorrhage (SAH) from ruptured intracranial berry aneurysms regardless of their post-ictus neurological condition (i.e., Hunt and Hess Grades I-V).

2 DOSAGE AND ADMINISTRATION

2.1 Administration Instructions

Administer only enterally (e.g., oral, nasogastric tube, or gastric tube route). Do not administer intravenously or by other parenteral routes. For all routes of administration, begin NYMALIZE within 96 hours of the onset of SAH. Administer one hour before a meal or two hours after a meal for all routes of administration *[see Clinical Pharmacology (12.3)]*.

2.2 Administration by Oral Route

The recommended oral dosage is 20 mL (60 mg) every 4 hours for 21 consecutive days.

2.3 Administration Via Nasogastric or Gastric Tube

Using the supplied oral syringe labeled "ORAL USE ONLY", administer 20 mL (60 mg) every 4 hours into a nasogastric or gastric tube for 21 consecutive days. For each dose, refill the syringe with 20 mL of 0.9% saline solution and then flush any remaining contents from nasogastric or gastric tube into the stomach.

2.4 Dosage Adjustments in Patients with Cirrhosis

In patients with cirrhosis, reduce the dosage to 10 mL (30 mg) every 4 hours [see Warnings and Precautions (5.2), *Clinical Pharmacology* (12.3)].

3 DOSAGE FORMS AND STRENGTHS

Oral Solution: 60 mg per 20 mL (3 mg/mL), pale yellow solution

4 CONTRAINDICATIONS

None.

5 WARNINGS AND PRECAUTIONS

5.1 Hypotension

Blood pressure should be carefully monitored during treatment with NYMALIZE. In clinical studies of patients with subarachnoid hemorrhage, about 5% of nimodipine-treated patients compared to 1% of placebo-treated

patients had hypotension and about 1% of nimodipine-treated patients left the study because of this. [see Adverse Reactions (6)].

5.2 Possible Increased Risk of Adverse Reactions in Patients with Cirrhosis

Given that the plasma levels of nimodipine are increased in patients with cirrhosis, these patients are at higher risk of adverse reactions. Therefore, monitor blood pressure and pulse rate closely and administer a lower dosage [see Dosage and Administration (2.4), Clinical Pharmacology (12.3)].

5.3 Possible Increased Risk of Hypotension with Strong CYP3A4 Inhibitors

Concomitant use of strong inhibitors of CYP3A4, such as some macrolide antibiotics (e.g., clarithromycin, telithromycin), some HIV protease inhibitors (e.g., indinavir, nelfinavir, ritonavir, saquinavir), some HCV protease inhibitors (e.g., boceprevir, telaprevir), some azole antimycotics (e.g., ketoconazole, itraconazole, posaconazole, voriconazole), conivaptan, delaviridine, and nefazadone with nimodipine should generally be avoided because of a risk of significant hypotension [see Drug Interactions (7.2)].

5.4 Possible Reduced Efficacy with Strong CYP3A4 Inducers

Concomitant use of strong CYP3A4 inducers (e.g. carbamazepine, phenobarbital, phenytoin, rifampin, St John's wort) and nimodipine should generally be avoided, as nimodipine plasma concentration and efficacy may be significantly reduced [see Drug Interactions (7.3)].

6 ADVERSE REACTIONS

The safety and efficacy of NYMALIZE (nimodipine oral solution) in the treatment of patients with SAH is based on adequate and well-controlled studies of nimodipine oral capsules in patients with SAH. NYMALIZE (nimodipine oral solution) has comparable bioavailability to nimodipine oral capsules.

The following clinically significant adverse reaction appears in other sections of the labeling:

• Hypotension [see Warnings and Precautions (5.1)].

Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in clinical practice.

In clinical trials of nimodipine oral capsules in patients with SAH, eleven percent (92 of 823) of nimodipinetreated patients reported adverse events compared to six percent (29 of 479) of placebo-treated patients. The most common adverse event was decreased blood pressure in 4.4% of nimodipine-treated patients. The events reported with a frequency greater than 1% are displayed in Table 1 by dose.

Table 1: Adverse Events [n (%)] reported with a frequency > 1% in four clinical trials (Study 1, Study 2, Study 3, and Study 4)

	Placebo	Nimodipine dose every 4 hours				
	(n=479)	0.35 mg/kg (n=82)	30 mg (n=71)	60 mg (n=494)	90 mg (n=172)	120 mg (n=4)
Decreased Blood Pressure	6 (1.2)	1 (1.2)	0	19 (3.8)	14 (8.1)	2 (50.0)
Edema	3 (0.6)	0	0	2 (0.4)	2 (1.2)	0

Diarrhea	3 (0.6)	0	3 (4.2)	0	3 (1.7)	0
Rash	3 (0.6)	2 (2.4)	0	3 (0.6)	2 (1.2)	0
Headache	1 (0.2)	0	1 (1.4)	6 (1.2)	0	0
Gastrointestinal Symptoms	0	2 (2.4)	0	0	2 (1.2)	0
Nausea	0	1 (1.2)	1 (1.4)	6 (1.2)	1 (0.6)	0
Dyspnea	0	1 (1.2)	0	0	0	0
EKG Abnormalities	0	0	1 (1.4)	0	1 (0.6)	0
Tachycardia	0	0	1 (1.4)	0	0	0
Bradycardia	0	0	0	5 (1.0)	1 (0.6)	0
Muscle Pain/Cramp	0	0	1 (1.4)	1 (0.2)	1 (0.6)	0
Acne	0	0	1 (1.4)	0	0	0
Depression	0	0	1 (1.4)	0	0	0

SAH is frequently accompanied by alterations in consciousness that may lead to an under-reporting of adverse experiences. As a calcium channel blocker, nimodipine may have the potential to exacerbate heart failure in susceptible patients or to interfere with A-V conduction, but these events were not observed in SAH trials.

7 DRUG INTERACTIONS

7.1 Blood Pressure Lowering Drugs

Nimodipine may increase the blood pressure lowering effect of concomitantly administered anti-hypertensives such as diuretics, beta-blockers, ACE inhibitors, angiotensin receptor blockers, other calcium channel blockers, α -adrenergic blockers, PDE5 inhibitors, and α -methyldopa. In Europe, nimodipine was observed to occasionally intensify the effect of antihypertensive drugs taken concomitantly by hypertensive patients; this phenomenon was not observed in North American clinical trials. Blood pressure should be carefully monitored, and dose adjustment of the blood pressure lowering drug(s) may be necessary.

7.2 CYP3A4 Inhibitors

Nimodipine plasma concentration can be significantly increased when concomitantly administered with strong CYP3A4 inhibitors. As a consequence, the blood pressure lowering effect may be increased. Therefore, the concomitant administration of NYMALIZE and strong CYP3A4 inhibitors should generally be avoided [*see Warnings and Precautions (5.3)*]. Strong CYP3A4 inhibitors include some members of the following classes:

- macrolide antibiotics (e.g., clarithromycin, telithromycin,),
- HIV protease inhibitors (e.g. indinavir, nelfinavir, ritonavir, saquinavir),
- HCV protease inhibitors (e.g., boceprevir, telaprevir),
- azole antimycotics (e.g., ketoconazole, itraconazole, posaconazole, voriconazole),
- conivaptan, delaviridine, nefazodone

Nimodipine plasma concentration can also be increased in the presence of moderate and weak inhibitors of CYP3A4. If nimodipine is concomitantly administered with these drugs, blood pressure should be monitored, and a reduction of the nimodipine dose may be necessary. Moderate and weak CYP3A4 inhibitors include alprozalam, ameprenavir, amiodarone, aprepitant, atazanavir, cimetidine, cyclosporine, diltiazem, erythromycin, fluconazole, fluoxetine, isoniazid, oral contraceptives, quinuprestin/dalforpristin, valproic acid, and verapamil.

A study in eight healthy volunteers has shown a 50% increase in mean peak nimodipine plasma concentrations and a 90% increase in mean area under the curve, after a one-week course of cimetidine at 1,000 mg/day and nimodipine at 90 mg/day. This effect may be mediated by the known inhibition of hepatic cytochrome P-450 (CYP) by cimetidine, which could decrease first-pass metabolism of nimodipine.

Grapefruit juice inhibits CYP3A4. Ingestion of grapefruit/grapefruit juice is not recommended while taking nimodipine.

7.3 CYP3A4 Inducers

Nimodipine plasma concentration and efficacy may be significantly reduced when concomitantly administered with strong CYP3A4 inducers. Therefore, concomitant use of NYMALIZE with strong CYP3A4 inducers (e.g., carbamazepine, phenobarbital, phenytoin, rifampin, St. John's Wort) should generally be avoided *[see Warnings and Precautions (5.4)]*.

Moderate and weak inducers of CYP3A4 may also reduce the efficacy of nimodipine. Patients on these should be closely monitored for lack of effectiveness, and a nimodipine dosage increase may be required. Moderate and weak CYP3A4 inducers include, for example: amprenavir, aprepitant, armodafinil, bosentan, efavirnenz, etravirine, Echinacea, modafinil, nafcillin, pioglitazone, prednisone, rufinamide, and vemurafenib.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Pregnancy Category C. There are no adequate and well controlled studies in pregnant women to directly assess the effect on human fetuses. NYMALIZE should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Nimodipine has been shown to have a teratogenic effect in two studies in rabbit. In one study, incidences of malformations and stunted fetuses were increased at oral doses of 1 mg/kg/day and 10 mg/kg/day administered throughout organogenesis but not at 3 mg/kg/day. In the second study, an increased incidence of stunted fetuses was seen at 1 mg/kg/day but not at higher doses (3 mg/kg/day and 10 mg/kg/day). Nimodipine was embryotoxic, causing resorption and stunted growth of fetuses in rats at 100 mg/kg/day administered orally throughout organogenesis. In two other rat studies, doses of 30 mg/kg/day nimodipine administered orally throughout organogenesis and continued until sacrifice (day 20 of pregnancy or day 21 postpartum) were associated with higher incidences of skeletal variation, stunted fetuses, and stillbirths but no malformations.

8.3 Nursing Mothers

Nimodipine and/or its metabolites have been detected in rat milk at concentrations much higher than in maternal plasma. It is not known whether the drug is excreted in human milk. Because many drugs are excreted in human milk and because of the potential for serious adverse reactions in nursing infants from NYMALIZE, a decision should be made whether to discontinue nursing or discontinue the drug, taking into account the importance of the drug to the mother.

8.4 Pediatric Use

Safety and effectiveness in pediatric patients have not been established.

8.5 Geriatric Use

Clinical studies of nimodipine did not include sufficient numbers of subjects aged 65 and over to determine whether they had a different clinical response than younger subjects. Other reported clinical experience has not identified differences in responses between the elderly and younger patients. In general, dosing in elderly

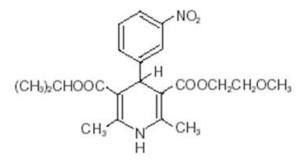
patients should be cautious, reflecting the greater frequency of decreased hepatic, renal or cardiac function, and of concomitant disease or other drug therapy [see Clinical Pharmacology (12.3)].

10 OVERDOSAGE

There have been no reports of overdosage from the oral administration of nimodipine. Symptoms of overdosage would be expected to be related to cardiovascular effects such as excessive peripheral vasodilation with marked systemic hypotension. Clinically significant hypotension due to nimodipine overdosage may require active cardiovascular support with pressor agents and specific treatments for calcium channel blocker overdose. Since nimodipine is highly protein-bound, dialysis is not likely to be of benefit.

11 DESCRIPTION

NYMALIZE contains nimodipine, a dihydropyridine calcium channel blocker. Nimodipine is isopropyl 2methoxyethyl 1,4-dihydro-2,6-dimethyl-4-(m-nitrophenyl)-3,5-pyridinedicarboxylate. It has a molecular weight of 418.5 and a molecular formula of $C_{21}H_{26}N_2O_7$. The structural formula is:



Nimodipine is a yellow crystalline substance, practically insoluble in water.

NYMALIZE Oral Solution contains 60 mg of nimodipine per 20 mL. In addition, the oral solution contains the following inactive ingredients: ethanol, glycerin, methylparaben, polyethylene glycol, sodium phosphate monobasic, sodium phosphate dibasic, and water.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Nimodipine is a dihydropyridine calcium channel blocker. The contractile processes of smooth muscle cells are dependent upon calcium ions, which enter these cells during depolarization as slow ionic transmembrane currents. Nimodipine inhibits calcium ion transfer into these cells and thus inhibits contractions of vascular smooth muscle. In animal experiments, nimodipine had a greater effect on cerebral arteries than on arteries elsewhere in the body perhaps because it is highly lipophilic, allowing it to cross the blood-brain barrier; concentrations of nimodipine as high as 12.5 ng/mL have been detected in the cerebrospinal fluid of nimodipine-treated SAH patients.

The precise mechanism of action of nimodipine in reducing the incidence and severity of ischemic deficits in adult patients with SAH from ruptured intracranial berry aneurysms is unknown. Although the clinical studies demonstrate a favorable effect of nimodipine on the severity of neurological deficits caused by cerebral vasospasm following SAH, there is no arteriographic evidence that nimodipine either prevents or relieves the

spasm of these arteries. However, whether or not the arteriographic methodology utilized was adequate to detect a clinically meaningful effect, if any, on vasospasm is unknown.

12.3 Pharmacokinetics

In humans, nimodipine is rapidly absorbed after oral administration, and peak concentrations are generally attained within one hour. The terminal elimination half-life is approximately 8 to 9 hours but earlier elimination rates are much more rapid, equivalent to a half-life of 1-2 hours; a consequence is the need for frequent (every 4 hours) dosing. There were no signs of accumulation when nimodipine was given three times a day for seven days. Nimodipine is over 95% bound to plasma proteins. The binding was concentration independent over the range of 10 ng/mL to 10 mcg/mL. Nimodipine is eliminated almost exclusively in the form of metabolites and less than 1% is recovered in the urine as unchanged drug. Numerous metabolites, all of which are either inactive or considerably less active than the parent compound, have been identified. The metabolism of nimodipine is mediated by CYP3A4. Because of a high first-pass metabolism, the bioavailability of nimodipine averages 13% after oral administration.

Food Effects

In a study of 24 healthy male volunteers, administration of nimodipine capsules following a standard breakfast resulted in a 68% lower peak plasma concentration and 38% lower bioavailability relative to dosing under fasted conditions [see Dosage and Administration (2.1)].

Patients with Cirrhosis

The bioavailability of nimodipine is significantly increased in patients with cirrhosis, with Cmax approximately double that in normals which necessitates lowering the dose in this group of patients [see Dosage and Administration (2.4), Warnings and Precautions (5.2)].

Geriatric Patients

In a single parallel-group study involving 24 elderly subjects (aged 59-79) and 24 younger subjects (aged 22-40), the observed AUC and Cmax of nimodipine was approximately 2-fold higher in the elderly population compared to the younger study subjects following oral administration (given as a single dose of 30 mg and dosed to steady-state with 30 mg three times daily for 6 days). The clinical response to these age-related pharmacokinetic differences, however, was not considered significant. *[see Use in Specific Populations, Geriatric Use (8.5)].*

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis

In a two-year study in rat, the incidences of adenocarcinoma of the uterus and Leydig cell adenoma of the testes were increased at 1800 ppm nimodipine in the diet (approximately 90-120 mg/kg/day). The increases were not statistically significant, however, and the higher rates were within the historical control range for these tumors. Nimodipine was found not to be carcinogenic in a 91-week mouse study, but the high dose of 1800 ppm nimodipine in the diet (approximately 550-775 mg/kg/day) was associated with an increased mortality rate.

Mutagenesis

Mutagenicity studies, including the Ames, micronucleus, and dominant lethal assays, were negative.

Impairment of Fertility

Nimodipine did not impair the fertility and general reproductive performance of male and female rats following oral doses of up to 30 mg/kg/day when administered prior to mating and continuing in females to day 7 of

pregnancy. This dose in a rat is similar to a clinical dose of 60 mg every 4 hours in a 60 kg patient, on a body surface area (mg/m^2) basis.

14 CLINICAL STUDIES

The safety and efficacy of NYMALIZE (nimodipine oral solution) in the treatment of patients with SAH is based on adequate and well-controlled studies of nimodipine oral capsules in patients with SAH. NYMALIZE (nimodipine oral solution) has comparable bioavailability to nimodipine oral capsules.

Nimodipine has been shown in 4 randomized, double-blind, placebo-controlled trials to reduce the severity of neurological deficits resulting from vasospasm in patients who have had a recent SAH (Studies 1, 2, 3, and 4).

The trials used doses ranging from 20-30 mg to 90 mg every 4 hours, with drug given for 21 days in 3 studies, and for at least 18 days in the other. Three of the four trials followed patients for 3-6 months. Three of the trials studied relatively well patients, with all or most patients in Hunt and Hess Grades I - III (essentially free of focal deficits after the initial bleed). Study 4 studied much sicker patients with Hunt and Hess Grades III - V. Studies 1 and 2 were similar in design, with relatively unimpaired SAH patients randomized to nimodipine or placebo. In each, a judgment was made as to whether any late-developing deficit was due to spasm or other causes, and the deficits were graded. Both studies showed significantly fewer severe deficits due to spasm in the nimodipine group; Study 2 showed fewer spasm-related deficits of all severities. No effect was seen on deficits not related to spasm. See Table 2.

Study	Grade*	Treatment		Patients	
			Number Analyzed	Number of Patients with Any Deficit Due to Spasm	Numbers with Severe Deficit
Study 1	I-III	Nimodipine 20-30 mg every 4 hours	56	13	1
		Placebo	60	16	8**
Study 2	I-III	Nimodipine 60 mg every 4 hours	31	4	2
		Placebo	39	11	10**

Table 2: Deficits in Patients with Hunt and Hess Grades I to III in Study 1 and Study 2

*Hunt and Hess Grade

**p=0.03

Study 3 was a 554-patient trial that included SAH patients with all grades of severity (89% were in Hunt and Hess Grades I-III). In Study 3, patients were treated with placebo or 60 mg of nimodipine every 4 hours. Outcomes were not defined as spasm related or not but there was a significant reduction in the overall rate of brain infarction and severely disabling neurological outcome at 3 months (Table 3):

Table 3: Degree of Recovery or Disability in Study 3 (89% Hunt and Hess Grades I-III)

	Nimodipine	Placebo		
Total patients	278	276		
Good recovery	199*	169		
Moderate disability	24	16		
Severe disability	12**	31		
Death	43***	60		

* p = 0.0444 - good and moderate vs severe and dead

** p = 0.001 – severe disability

*** p = 0.056 - death

Study 4 enrolled much sicker patients, (Hunt and Hess Grades III-V), who had a high rate of death and disability, and used a dose of 90 mg every 4 hours, but was otherwise similar to Study 1 and Study 2. Analysis

of delayed ischemic deficits, many of which result from spasm, showed a significant reduction in spasm-related deficits. Among analyzed patients (72 nimodipine, 82 placebo), there were the following outcomes (Table 4).

	Delayed Ischemic Deficits (DID)		Perman	ent Deficits		
	Nimodipine 90	Placebo	Nimodipine 90	Placebo		
	mg every 4 hours	n (%)	mg every 4	n (%)		
	n (%)		hours (%)			
DID Spasm Alone	8 (11)*	25 (31)	5 (7)*	22 (27)		
DID Spasm	18 (25)	21 (26)	16 (22)	17 (21)		
Contributing						
DID Without Spasm	7 (10)	8 (10)	6 (8)	7 (9)		
No DID	39 (54)	28 (34)	45 (63)	36 (44)		
			· · · · · ·			

Table 4: Neurological Ischemic Deficits in Stu	dv 4 Hunt and Hess Grades III-V

*p = 0.001, Nimodipine vs placebo

When data were combined for Study 3 and Study 4, the treatment difference on success rate (i.e., good recovery) on the Glasgow Outcome Scale was 25.3% (nimodipine) versus 10.9% (placebo) for Hunt and Hess Grades IV or V. Table 5 demonstrates that nimodipine tends to improve good recovery of SAH patients with poor neurological status post-ictus, while decreasing the numbers with severe disability and vegetative survival.

Table 5. Glasgow Outcome Scale in Combined Studies 5 and 4				
Glasgow Outcome*	Nimodipine (n=87)	Placebo		
		(n=101)		
Good Recovery	22 (25.3%)	11 (10.9%)		
Moderate Disability	8 (9.2%)	12 (11.9%)		
Severe Disability	6 (6.9%)	15 (14.9%)		
Vegetative Survival	4 (4.6%)	9 (8.9%)		
Death	47 (54.0%)	54 (53.5%)		

 Table 5: Glasgow Outcome Scale in Combined Studies 3 and 4

*p = 0.045, nimodipine vs. placebo

A dose-ranging study comparing 30 mg, 60 mg, and 90 mg doses found a generally low rate of spasm-related neurological deficits but no dose response relationship.

16 HOW SUPPLIED/STORAGE AND HANDLING

- NDC 24338-200-16: 16 oz. bottle (473 mL)
- NDC 24338-200-12: Carton containing 12 individually wrapped packages. Each package contains one 20 mL Unit-Dose cup (NDC 24338-200-20) and one oral syringe.

Store at 25°C (77°F); excursions permitted to 15°C to 30°C (59°F to 86°F) [see USP Controlled Room Temperature]. Protect from light. Do not refrigerate.

17 PATIENT COUNSELING INFORMATION

Inform patients that the most frequent adverse reaction associated with nimodipine is decreased blood pressure [*see Warnings and Precautions (5.1)*]. Inform them that use of NYMALIZE with anti-hypertensives can cause increased drop in blood pressure [*see Drug Interactions (7.1)*].

Patients should be aware that ingestion of grapefruit or grapefruit juice should be avoided when taking NYMALIZE due to its ability to increase nimodipine plasma concentrations and potential to increase the risk of hypotension *[see Drug Interactions (7.2)]*.

Pregnant women should be advised that a harmful effect of NYMALIZE on the fetus cannot be ruled out and the drug should only be used if the potential benefit justifies the potential risk to the fetus [see Use in Specific Populations, Pregnancy (8.1)].

Manufactured for: MARMAGENTICALS. INC. Atlanta, GA 30328

Manufactured by: Importfab Pointe-Claire, QC, Canada H9R 1C9

Distributed By Arbor Pharmaceuticals, Inc., Atlanta, GA 30328

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