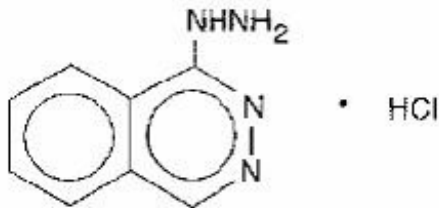


**HYDRALAZINE HYDROCHLORIDE - hydralazine hydrochloride tablet**  
**Camber Pharmaceuticals, Inc.**

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**HYDRALAZINE HYDROCHLORIDE TABLETS, USP**

**DESCRIPTION**

HydrALAZINE hydrochloride, USP, is an antihypertensive, for oral administration. Its chemical name is 1-hydrazinophthalazine monohydrochloride, and its structural formula is:



HydrALAZINE hydrochloride, USP is a white to off-white, odorless crystalline powder. It is soluble in water, slightly soluble in alcohol, and very slightly soluble in ether. It melts at about 275°C, with decomposition, and has a molecular weight of 196.64.

Each tablet for oral administration contains 10 mg, 25 mg, 50 mg or 100 mg hydrALAZINE hydrochloride, USP. Tablets also contain anhydrous lactose, microcrystalline cellulose, sodium starch glycolate, stearic acid and FD&C Yellow # 6.

**CLINICAL PHARMACOLOGY**

Although the precise mechanism of action of hydrALAZINE is not fully understood, the major effects are on the cardiovascular system. HydrALAZINE apparently lowers blood pressure by exerting a peripheral vasodilating effect through a direct relaxation of vascular smooth muscle. HydrALAZINE, by altering cellular calcium metabolism, interferes with the calcium movements within the vascular smooth muscle that are responsible for initiating or maintaining the contractile state.

The peripheral vasodilating effect of hydrALAZINE results in decreased arterial blood pressure (diastolic more than systolic); decreased peripheral vascular resistance; and an increased heart rate, stroke volume, and cardiac output. The preferential dilatation of arterioles, as compared to veins, minimizes postural hypotension and promotes the increase in cardiac output. HydrALAZINE usually increases renin activity in plasma, presumably as a result of increased secretion of renin by the renal juxtaglomerular cells in response to reflex sympathetic discharge. This increase in renin activity leads to the production of angiotensin II, which then causes stimulation of aldosterone and consequent sodium reabsorption. HydrALAZINE also maintains or increases renal and cerebral blood flow.

HydrALAZINE is rapidly absorbed after oral administration, and peak plasma levels are reached at 1 to 2 hours. Plasma levels of apparent hydrALAZINE decline with a half-life of 3 to 7 hours. Binding to human plasma protein is 87%. Plasma levels of hydrALAZINE vary widely among individuals.

HydrALAZINE is subject to polymorphic acetylation; slow acetylators generally have higher plasma levels of hydrALAZINE and require lower doses to maintain control of blood pressure.

HydrALAZINE undergoes extensive hepatic metabolism; it is excreted mainly in the form of metabolites in the urine.

## **INDICATIONS & USAGE**

Essential hypertension, alone or as an adjunct.

## **CONTRAINDICATIONS**

Hypersensitivity to hydrALAZINE; coronary artery disease; mitral valvular rheumatic heart disease.

## **WARNINGS**

In a few patients hydrALAZINE may produce a clinical picture simulating systemic lupus erythematosus including glomerulonephritis. In such patients hydrALAZINE should be discontinued unless the benefit-to-risk determination requires continued antihypertensive therapy with this drug. Symptoms and signs usually regress when the drug is discontinued but residua have been detected many years later. Long-term treatment with steroids may be necessary. (See **PRECAUTIONS, Laboratory Tests.**)

## **PRECAUTIONS**

### **GENERAL PRECAUTIONS**

Myocardial stimulation produced by hydrALAZINE can cause anginal attacks and ECG changes of myocardial ischemia. The drug has been implicated in the production of myocardial infarction. It must, therefore, be used with caution in patients with suspected coronary artery disease.

The "hyperdynamic" circulation caused by hydrALAZINE may accentuate specific cardiovascular inadequacies. For example, hydrALAZINE may increase pulmonary artery pressure in patients with mitral valvular disease. The drug may reduce the pressor responses to epinephrine. Postural hypotension may result from hydrALAZINE but is less common than with ganglionic blocking agents. It should be used with caution in patients with cerebral vascular accidents.

In hypertensive patients with normal kidneys who are treated with hydrALAZINE, there is evidence of increased renal blood flow and a maintenance of glomerular filtration rate. In some instances where control values were below normal, improved renal function has been noted after administration of hydrALAZINE. However, as with any antihypertensive agent, hydrALAZINE should be used with caution in patients with advanced renal damage.

Peripheral neuritis, evidenced by paresthesia, numbness, and tingling, has been observed. Published evidence suggests an antipyridoxine effect, and that pyridoxine should be added to the regimen if symptoms develop.

### **INFORMATION FOR PATIENTS**

Patients should be informed of possible side effects and advised to take the medication regularly and continuously as directed.

### **LABORATORY TESTS**

Complete blood counts and antinuclear antibody titer determinations are indicated before and periodically during prolonged therapy with hydrALAZINE even though the patient is asymptomatic. These studies are also indicated if the patient develops arthralgia, fever, chest pain, continued malaise, or other unexplained signs or symptoms.

A positive antinuclear antibody titer requires that the physician carefully weigh the implications of the test results against the benefits to be derived from antihypertensive therapy with hydrALAZINE.

Blood dyscrasias, consisting of reduction in hemoglobin and red cell count, leukopenia,

agranulocytosis, and purpura, have been reported. If such abnormalities develop, therapy should be discontinued.

## **Drug/Drug Interactions**

MAO inhibitors should be used with caution in patients receiving hydrALAZINE.

When other potent parenteral antihypertensive drugs, such as diazoxide, are used in combination with hydrALAZINE, patients should be continuously observed for several hours for any excessive fall in blood pressure. Profound hypotensive episodes may occur when diazoxide injection and hydrALAZINE are used concomitantly.

## **Drug/Food Interactions**

Administration of hydrALAZINE with food results in higher plasma levels.

## **CARCINOGENESIS & MUTAGENESIS & IMPAIRMENT OF FERTILITY**

In a lifetime study in Swiss albino mice, there was a statistically significant increase in the incidence of lung tumors (adenomas and adenocarcinomas) of both male and female mice given hydrALAZINE continuously in their drinking water at a dosage of about 250 mg/kg per day (about 80 times the maximum recommended human dose). In a 2-year carcinogenicity study of rats given hydrALAZINE by gavage at dose levels of 15, 30, and 60 mg/kg/day (approximately 5 to 20 times the recommended human daily dosage), microscopic examination of the liver revealed a small, but statistically significant, increase in benign neoplastic nodules in male and female rats from the high-dose group and in female rats from the intermediate-dose group. Benign interstitial cell tumors of the testes were also significantly increased in male rats from the high-dose group. The tumors observed are common in aged rats and a significantly increased incidence was not observed until 18 months of treatment. HydrALAZINE was shown to be mutagenic in bacterial systems (Gene Mutation and DNA Repair) and in one of two rat and one rabbit hepatocyte in vitro DNA repair studies. Additional in vivo and in vitro studies using lymphoma cells, germinal cells, and fibroblasts from mice, bone marrow cells from Chinese hamsters and fibroblasts from human cell lines did not demonstrate any mutagenic potential for hydrALAZINE.

The extent to which these findings indicate a risk to man is uncertain. While long-term clinical observation has not suggested that human cancer is associated with hydrALAZINE use, epidemiologic studies have so far been insufficient to arrive at any conclusions.

## **PREGNANCY**

**Pregnancy Category C:** Animal studies indicate that hydrALAZINE is teratogenic in mice at 20 to 30 times the maximum daily human dose of 200 to 300 mg and possibly in rabbits at 10 to 15 times the maximum daily human dose, but that it is nonteratogenic in rats. Teratogenic effects observed were cleft palate and malformations of facial and cranial bones.

There are no adequate and well-controlled studies in pregnant women. Although clinical experience does not include any positive evidence of adverse effects on the human fetus, hydrALAZINE should be used during pregnancy only if the expected benefit justifies the potential risk to the fetus.

## **NURSING MOTHERS**

It is not known whether this drug is excreted in human milk. Because many drugs are excreted in human milk, caution should be exercised when hydrALAZINE is administered to a nursing woman.

## **PEDIATRIC USE**

Safety and effectiveness in pediatric patients have not been established in controlled clinical trials, although there is experience with the use of hydrALAZINE in pediatric patients. The usual recommended oral starting dosage is 0.75 mg/kg of body weight daily in four divided doses. Dosage may be increased gradually over the next 3 to 4 weeks to a maximum of 7.5 mg/kg or 200 mg daily.

## ADVERSE REACTIONS

Adverse reactions with hydrALAZINE are usually reversible when dosage is reduced. However, in some cases it may be necessary to discontinue the drug. The following adverse reactions have been observed, but there has not been enough systematic collection of data to support an estimate of their frequency.

**Common:** Headache, anorexia, nausea, vomiting, diarrhea, palpitations, tachycardia, angina pectoris

**Less Frequent:** Digestive: constipation, paralytic ileus.

o **Cardiovascular:** hypotension, paradoxical pressor response, edema.

o **Respiratory:** dyspnea

o **Neurologic:** peripheral neuritis, evidenced by paresthesia, numbness, and tingling; dizziness; tremors; muscle cramps; psychotic reactions characterized by depression, disorientation, or anxiety.

o **Genitourinary:** difficulty in urination

o **Hematologic:** blood dyscrasias, consisting of reduction in hemoglobin and red cell count, leukopenia, agranulocytosis, purpura; lymphadenopathy; splenomegaly.

o **Hypersensitivity Reactions:** rash, urticaria, pruritus, fever, chills, arthralgia, eosinophilia, and rarely, hepatitis.

o **Other:** nasal congestion, flushing, lacrimation, conjunctivitis.

## OVERDOSAGE

**Acute Toxicity:** No deaths due to acute poisoning have been reported. Highest known dose survived: adults, 10 g orally.

Oral LD<sub>50</sub> in rats: 173 and 187 mg/kg.

**Signs and Symptoms:** Signs and symptoms of overdose include hypotension, tachycardia, headache, and generalized skin flushing.

Complications can include myocardial ischemia and subsequent myocardial infarction, cardiac arrhythmia, and profound shock.

**Treatment:** There is no specific antidote.

The gastric contents should be evacuated, taking adequate precautions against aspiration and for protection of the airway. An activated charcoal slurry may be instilled if conditions permit. These manipulations may have to be omitted or carried out after cardiovascular status has been stabilized, since they might precipitate cardiac arrhythmias or increase the depth of shock.

Support of the cardiovascular system is of primary importance. Shock should be treated with plasma expanders. If possible, vasopressors should not be given, but if a vasopressor is required, care should be taken not to precipitate or aggravate cardiac arrhythmia.

Tachycardia responds to beta blockers. Digitalization may be necessary, and renal function should be monitored and supported as required.

No experience has been reported with extracorporeal or peritoneal dialysis.

## DOSAGE & ADMINISTRATION

Initiate therapy in gradually increasing dosages; adjust according to individual response. Start with 10 mg four times daily for the first 2 to 4 days, increase to 25 mg four times daily for the balance of the first week. For the second and subsequent weeks, increase dosage to 50 mg four times daily. For maintenance, adjust dosage to the lowest effective levels.

The incidence of toxic reactions, particularly the L.E. cell syndrome, is high in the group of patients receiving large doses of hydrALAZINE.

In a few resistant patients, up to 300 mg of hydrALAZINE daily may be required for a significant antihypertensive effect. In such cases, a lower dosage of hydrALAZINE combined with a thiazide and/or reserpine or a beta blocker may be considered. However, when combining therapy, individual titration is essential to ensure the lowest possible therapeutic dose of each drug.

## HOW SUPPLIED

HydrALAZINE Hydrochloride Tablets, USP:

10 mg - Orange, round, unscored tablets debossed with 'H' on one side and '38' on the other side in bottles of

100 (NDC code: 31722-519-01),

500 (NDC code: 31722-519-05), and

1000 (NDC code: 31722-519-10).

25 mg - Orange, round, unscored tablets debossed with 'H' on one side and '39' on the other side in bottles of

100 (NDC code: 31722-520-01),

500 (NDC code: 31722-520-05), and

1000 (NDC code: 31722-520-10).

50 mg - Orange, round, unscored tablets debossed with 'H' on one side and '40' on the other side in bottles of

100 (NDC code: 31722-521-01),

500 (NDC code: 31722-521-05), and

1000 (NDC code: 31722-521-10).

100 mg - Orange, round, unscored tablets debossed with 'H' on one side and '41' on the other side in bottles of

100 (NDC code: 31722-522-01) and

500 (NDC code: 31722-522-05).

Dispense in a tight, light-resistant container as defined in the USP.

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

For more information, call 1-866-495-1995



Manufactured for:

Camber Pharmaceuticals, Inc.

Piscataway, NJ 08854

By: **HETERO™**

Hetero Labs Limited

Jeedimetla, Hyderabad - 500 055, India

OR

By: Annora Pharma Pvt. Ltd.  
Sangareddy - 502313, Telangana, India

Revised: 07/2019

## PACKAGE LABEL.PRINCIPAL DISPLAY PANEL

10 mg 100s

**CAMBER<sup>TM</sup>**  
PHARMACEUTICALS, INC.

**NDC 31722-519-01**

**HydrALAZINE  
Hydrochloride  
Tablets, USP**

**10 mg**

**Rx Only 100 Tablets**

EACH TABLET CONTAINS:  
HydrALAZINE Hydrochloride, USP 10 mg.

Dispense in a tight, light-resistant container as defined in the USP.

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

USUAL DOSAGE: See Package insert.

Mfg. Lic. No: 22/RR/AP/2001/F/R

Manufactured for:  
Camber Pharmaceuticals, Inc.  
Piscataway, NJ 08854

By: **HETERO<sup>TM</sup>**  
Hetero Labs Limited  
Jeedimetla, Hyderabad - 500 055, India

2046688

3 N  
31722-519-01 4

**40 x 30 mm  
Un Varnish Area**

**CAMBER<sup>®</sup>**  
PHARMACEUTICALS, INC.

**NDC 31722-519-01**

**HydrALAZINE  
Hydrochloride  
Tablets, USP**

**10 mg**

**Rx Only 100 Tablets**

EACH TABLET CONTAINS:  
HydrALAZINE Hydrochloride, USP 10 mg.

Dispense in a tight, light-resistant container as defined in the USP.

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

USUAL DOSAGE: See Package insert.

U.S. Contact Number: 1-866-495-1995

Manufactured for:  
Camber Pharmaceuticals, Inc.  
Piscataway, NJ 08854

By: Annora Pharma Pvt. Ltd.  
Sangareddy - 502313, Telangana, India.

Mfg. Lic. No.: 24/MD/TS/2016/F/G

3 N  
31722-519-01 4

2100420

**40 x 30 mm  
Un Varnish Area**

25 mg 100s

**CAMBER™**  
PHARMACEUTICALS, INC.

NDC 31722-520-01

**HydrALAZINE Hydrochloride Tablets, USP**

**25 mg**

Rx Only 100 Tablets

EACH TABLET CONTAINS:  
HydrALAZINE Hydrochloride, USP 25 mg.

Dispense in a tight, light-resistant container as defined in the USP.

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

USUAL DOSAGE: See Package insert

Mfg. Lic. No.: 22/RR/AP/2001/F/R

Manufactured for:  
Camber Pharmaceuticals, Inc.  
Piscataway, NJ 08854

By: **HETERO™**  
Hetero Labs Limited  
Jeedimetla, Hyderabad - 500 055, India

2046681

3 N  
3 1722-520-01 0

**40 x 30 mm  
Un Varnish Area**

**CAMBER®**  
PHARMACEUTICALS, INC.

NDC 31722-520-01

**HydrALAZINE Hydrochloride Tablets, USP**

**25 mg**

Rx Only 100 Tablets

EACH TABLET CONTAINS:  
HydrALAZINE Hydrochloride, USP 25 mg.

Dispense in a tight, light-resistant container as defined in the USP.

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

USUAL DOSAGE: See Package insert.

U.S. Contact Number: 1-866-495-1995

Manufactured for:  
Camber Pharmaceuticals, Inc.  
Piscataway, NJ 08854

By: Annora Pharma Pvt. Ltd.  
Sangareddy - 502313, Telangana, India.

Mfg. Lic. No.: 24/MD/TS/2016/F/G

2100423

3 N  
3 1722-520-01 0

**40 x 30 mm  
Un Varnish Area**

50mg 100s

**CAMBER™**  
PHARMACEUTICALS, INC.

NDC 31722-521-01

**HydrALAZINE Hydrochloride Tablets, USP**

**50 mg**

Rx Only 100 Tablets

EACH TABLET CONTAINS:  
HydrALAZINE Hydrochloride, USP 50 mg.

Dispense in a tight, light-resistant container as defined in the USP.

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

USUAL DOSAGE: See Package insert.

By: **HETERO™**  
Hetero Labs Limited  
Jeedimetla, Hyderabad - 500 055, India

Mfg. Lic. No.: 22/RR/AP/2001/F/R

Manufactured for:  
Camber Pharmaceuticals, Inc.  
Piscataway, NJ 08854

2046695

3 N  
3 1722-521-01 7

**40 x 30 mm  
Un Varnish Area**

|  |   |  |                                       |
|--|---|--|---------------------------------------|
|  | <p>EACH TABLET CONTAINS:<br/>HydrALAZINE Hydrochloride,<br/>USP 50 mg.</p>  |  | <p>40 x 30 mm<br/>Un Varnish Area</p> |
| <p>NDC 31722-521-01</p> <p><b>HydrALAZINE<br/>Hydrochloride<br/>Tablets, USP</b></p> <p><b>50 mg</b></p> | <p>Dispense in a tight, light-resistant container as defined in the USP.</p> <p>Store at 20°-25°C (68°-77°F) [See USP Controlled Room Temperature].</p> <p>USUAL DOSAGE: See Package insert.</p> <p><b>U.S. Contact Number: 1-866-495-1995</b></p> <p>Manufactured for:<br/>Camber Pharmaceuticals, Inc.<br/>Piscataway, NJ 08854</p> |  |                                       |
| <p>Rx Only    100 Tablets</p>  | <p>Mfg. Lic. No.: 24/MD/TS/2016/F/G</p>   | <p>2100426</p> <p>By: Annora Pharma Pvt. Ltd.<br/>Sangareddy - 502313, Telangana, India.</p> |                                       |

100 mg 100s

|   |  |  |                                       |
|---|--|--|---------------------------------------|
|   | <p>EACH TABLET CONTAINS:<br/>HydrALAZINE Hydrochloride,<br/>USP 100 mg.</p>  |  | <p>40 x 35 mm<br/>Un Varnish Area</p> |
| <p>NDC 31722-522-01</p> <p><b>HydrALAZINE<br/>Hydrochloride<br/>Tablets, USP</b></p> <p><b>100 mg</b></p> | <p>Dispense in a tight, light-resistant container as defined in the USP.</p> <p>Store at 20°-25°C (68°-77°F) [See USP Controlled Room Temperature].</p> <p>USUAL DOSAGE: See Package insert.</p> <p>Manufactured for:<br/>Camber Pharmaceuticals, Inc.<br/>Piscataway, NJ 08854</p> <p>By: <b>HETERO™</b><br/>Hetero Labs Limited<br/>Jeedimetla, Hyderabad - 500 055, India</p> |  |                                       |
| <p>Rx Only    100 Tablets</p>   | <p>Mfg. Lic. No.: 22/RR/AP/2001/F/R    2046697</p>   |  |                                       |

|   |   |                |                                       |
|---|---|----------------|---------------------------------------|
|   | <p>EACH TABLET CONTAINS:<br/>HydrALAZINE Hydrochloride,<br/>USP 100 mg.</p>   |                | <p>40 x 35 mm<br/>Un Varnish Area</p> |
| <p>NDC 31722-522-01</p> <p><b>HydrALAZINE<br/>Hydrochloride<br/>Tablets, USP</b></p> <p><b>100 mg</b></p> | <p>Dispense in a tight, light-resistant container as defined in the USP.</p> <p>Store at 20°-25°C (68°-77°F) [See USP Controlled Room Temperature].</p> <p>USUAL DOSAGE: See Package insert.</p> <p><b>U.S. Contact Number: 1-866-495-1995</b></p> <p>Manufactured for:<br/>Camber Pharmaceuticals, Inc.<br/>Piscataway, NJ 08854</p> <p>By: Annora Pharma Pvt. Ltd.<br/>Sangareddy - 502313, Telangana, India.</p> |                |                                       |
| <p>Rx Only    100 Tablets</p>   | <p>Mfg. Lic. No.: 24/MD/TS/2016/F/G</p>   | <p>2100429</p> |                                       |



# HYDRALAZINE HYDROCHLORIDE

hydralazine hydrochloride tablet

## Product Information

|                         |                         |                    |               |
|-------------------------|-------------------------|--------------------|---------------|
| Product Type            | HUMAN PRESCRIPTION DRUG | Item Code (Source) | NDC:31722-519 |
| Route of Administration | ORAL                    |                    |               |

## Active Ingredient/Active Moiety

| Ingredient Name   | Basis of Strength            | Strength |
|---|------------------------------|----------|
| HYDRALAZINE HYDROCHLORIDE (UNII: FD171B778 Y) (HYDRALAZINE - UNII:26NAK24LS8) | HYDRALAZINE<br>HYDROCHLORIDE | 10 mg    |

## Inactive Ingredients

| Ingredient Name  | Strength |
|--|----------|
| ANHYDROUS LACTOSE (UNII: 3SY5LH9PMK)                     |          |
| CELLULOSE, MICROCRYSTALLINE (UNII: OP1R32D61U)           |          |
| SODIUM STARCH GLYCOLATE TYPE A POTATO (UNII: 5856J3G2A2) |          |
| STEARIC ACID (UNII: 4ELV7Z65AP)                          |          |
| FD&C YELLOW NO. 6 (UNII: H77VEI93A8)                     |          |

## Product Characteristics

|          |        |              |          |
|----------|--------|--------------|----------|
| Color    | ORANGE | Score        | no score |
| Shape    | ROUND  | Size         | 5mm      |
| Flavor   |        | Imprint Code | H;38     |
| Contains |        |              |          |

## Packaging

| # | Item Code        | Package Description                                 | Marketing Start Date | Marketing End Date |
|---|------------------|---|----------------------|--------------------|
| 1 | NDC:31722-519-01 | 100 in 1 BOTTLE; Type 0: Not a Combination Product  | 01/01/2010           |                    |
| 2 | NDC:31722-519-05 | 500 in 1 BOTTLE; Type 0: Not a Combination Product  | 01/01/2010           |                    |
| 3 | NDC:31722-519-10 | 1000 in 1 BOTTLE; Type 0: Not a Combination Product | 01/01/2010           |                    |

## Marketing Information

| Marketing Category | Application Number or Monograph Citation | Marketing Start Date | Marketing End Date |
|--------------------|--|----------------------|--------------------|
| ANDA               | ANDA040901                               | 01/01/2010           |                    |

# HYDRALAZINE HYDROCHLORIDE

hydralazine hydrochloride tablet

## Product Information

|   |   |   |                             |                           |
|---|---|---|-----------------------------|---------------------------|
| <b>Product Type</b>   | HUMAN PRESCRIPTION DRUG                         | <b>Item Code (Source)</b>                           | NDC:31722-520               |                           |
| <b>Route of Administration</b>  | ORAL  |   |                             |                           |
| <b>Active Ingredient/Active Moiety</b>  |   |   |                             |                           |
| <b>Ingredient Name</b>  |   | <b>Basis of Strength</b>                            | <b>Strength</b>             |                           |
| HYDRALAZINE HYDROCHLORIDE (UNII: FD171B778 Y) (HYDRALAZINE - UNII:26NAK24LS8) |   | HYDRALAZINE HYDROCHLORIDE                           | 25 mg                       |                           |
| <b>Inactive Ingredients</b>   |   |   |                             |                           |
| <b>Ingredient Name</b>  |   |   | <b>Strength</b>             |                           |
| ANHYDROUS LACTOSE (UNII: 3SY5LH9PMK)  |   |   |                             |                           |
| CELLULOSE, MICROCRYSTALLINE (UNII: OP1R32D61U)                                |   |   |                             |                           |
| SODIUM STARCH GLYCOLATE TYPE A POTATO (UNII: 5856J3G2A2)                      |   |   |                             |                           |
| STEARIC ACID (UNII: 4ELV7Z65AP)   |   |   |                             |                           |
| FD&C YELLOW NO. 6 (UNII: H77VEI93A8)  |   |   |                             |                           |
| <b>Product Characteristics</b>  |   |   |                             |                           |
| <b>Color</b>  | ORANGE  | <b>Score</b>  | no score                    |                           |
| <b>Shape</b>  | ROUND   | <b>Size</b>   | 6mm                         |                           |
| <b>Flavor</b>   |   | <b>Imprint Code</b>                                 | H;39                        |                           |
| <b>Contains</b>   |   |   |                             |                           |
| <b>Packaging</b>  |   |   |                             |                           |
| <b>#</b>  | <b>Item Code</b>                                | <b>Package Description</b>                          | <b>Marketing Start Date</b> | <b>Marketing End Date</b> |
| 1   | NDC:31722-520-01                                | 100 in 1 BOTTLE; Type 0: Not a Combination Product  | 01/01/2010                  |                           |
| 2   | NDC:31722-520-05                                | 500 in 1 BOTTLE; Type 0: Not a Combination Product  | 01/01/2010                  |                           |
| 3   | NDC:31722-520-10                                | 1000 in 1 BOTTLE; Type 0: Not a Combination Product | 01/01/2010                  |                           |
| <b>Marketing Information</b>  |   |   |                             |                           |
| <b>Marketing Category</b>   | <b>Application Number or Monograph Citation</b> | <b>Marketing Start Date</b>                         | <b>Marketing End Date</b>   |                           |
| ANDA  | ANDA040901                                      | 01/01/2010  |                             |                           |

## HYDRALAZINE HYDROCHLORIDE

hydralazine hydrochloride tablet

### Product Information

|                                |                         |                           |               |
|--------------------------------|-------------------------|---------------------------|---------------|
| <b>Product Type</b>            | HUMAN PRESCRIPTION DRUG | <b>Item Code (Source)</b> | NDC:31722-521 |
| <b>Route of Administration</b> | ORAL                    |                           |               |

| Active Ingredient/Active Moiety  |                              |          |
|--|------------------------------|----------|
| Ingredient Name  | Basis of Strength            | Strength |
| HYDRALAZINE HYDROCHLORIDE (UNII: FD171B778 Y) (HYDRALAZINE - UNII:26 NAK24LS8) | HYDRALAZINE<br>HYDROCHLORIDE | 50 mg    |

| Inactive Ingredients                                     |          |
|--|----------|
| Ingredient Name  | Strength |
| ANHYDROUS LACTOSE (UNII: 3S Y5LH9 PMK)                   |          |
| CELLULOSE, MICROCRYSTALLINE (UNII: OP1R32D6 1U)          |          |
| SODIUM STARCH GLYCOLATE TYPE A POTATO (UNII: 5856J3G2A2) |          |
| STEARIC ACID (UNII: 4ELV7Z65AP)                          |          |
| FD&C YELLOW NO. 6 (UNII: H77VEI93A8)                     |          |

| Product Characteristics |        |              |          |
|-------------------------|--------|--------------|----------|
| Color                   | ORANGE | Score        | no score |
| Shape                   | ROUND  | Size         | 8 mm     |
| Flavor                  |        | Imprint Code | H;40     |
| Contains                |        |              |          |

| Packaging |                  |   |                      |                    |
|-----------|------------------|---|----------------------|--------------------|
| #         | Item Code        | Package Description                                 | Marketing Start Date | Marketing End Date |
| 1         | NDC:31722-521-01 | 100 in 1 BOTTLE; Type 0: Not a Combination Product  | 01/01/2010           |                    |
| 2         | NDC:31722-521-05 | 500 in 1 BOTTLE; Type 0: Not a Combination Product  | 01/01/2010           |                    |
| 3         | NDC:31722-521-10 | 1000 in 1 BOTTLE; Type 0: Not a Combination Product | 01/01/2010           |                    |

| Marketing Information |  |                      |                    |
|-----------------------|--|----------------------|--------------------|
| Marketing Category    | Application Number or Monograph Citation | Marketing Start Date | Marketing End Date |
| ANDA                  | ANDA040901                               | 01/01/2010           |                    |

## HYDRALAZINE HYDROCHLORIDE

hydralazine hydrochloride tablet

| Product Information     |                         |                    |               |
|-------------------------|-------------------------|--------------------|---------------|
| Product Type            | HUMAN PRESCRIPTION DRUG | Item Code (Source) | NDC:31722-522 |
| Route of Administration | ORAL                    |                    |               |

| Active Ingredient/Active Moiety  |                              |          |
|--|------------------------------|----------|
| Ingredient Name  | Basis of Strength            | Strength |
| HYDRALAZINE HYDROCHLORIDE (UNII: FD171B778 Y) (HYDRALAZINE - UNII:26 NAK24LS8) | HYDRALAZINE<br>HYDROCHLORIDE | 100 mg   |

## Inactive Ingredients

| Ingredient Name  | Strength |
|--|----------|
| ANHYDROUS LACTOSE (UNII: 3SY5LH9PMK)                     |          |
| CELLULOSE, MICROCRYSTALLINE (UNII: OP1R32D61U)           |          |
| SODIUM STARCH GLYCOLATE TYPE A POTATO (UNII: 5856J3G2A2) |          |
| STEARIC ACID (UNII: 4ELV7Z65AP)                          |          |
| FD&C YELLOW NO. 6 (UNII: H77VEI93A8)                     |          |

## Product Characteristics

|          |        |              |          |
|----------|--------|--------------|----------|
| Color    | ORANGE | Score        | no score |
| Shape    | ROUND  | Size         | 11mm     |
| Flavor   |        | Imprint Code | H;41     |
| Contains |        |              |          |

## Packaging

| # | Item Code        | Package Description                                | Marketing Start Date | Marketing End Date |
|---|------------------|--|----------------------|--------------------|
| 1 | NDC:31722-522-01 | 100 in 1 BOTTLE; Type 0: Not a Combination Product | 01/01/2010           |                    |
| 2 | NDC:31722-522-05 | 500 in 1 BOTTLE; Type 0: Not a Combination Product | 01/01/2010           |                    |

## Marketing Information

| Marketing Category | Application Number or Monograph Citation | Marketing Start Date | Marketing End Date |
|--------------------|--|----------------------|--------------------|
| ANDA               | ANDA040901                               | 01/01/2010           |                    |

**Labeler** - Camber Pharmaceuticals, Inc. (826774775)

## Establishment

| Name                         | Address | ID/FEI    | Business Operations  |
|------------------------------|---------|-----------|--|
| Hetero Labs Limited Unit III |         | 676162024 | ANALYSIS(31722-519, 31722-520, 31722-521, 31722-522) , MANUFACTURE(31722-519, 31722-520, 31722-521, 31722-522) |

## Establishment

| Name                          | Address | ID/FEI    | Business Operations  |
|-------------------------------|---------|-----------|--|
| Annora Pharma Private Limited |         | 650980746 | ANALYSIS(31722-519, 31722-520, 31722-521, 31722-522) , MANUFACTURE(31722-519, 31722-520, 31722-521, 31722-522) |

Revised: 8/2019

Camber Pharmaceuticals, Inc.