



GUINAMA. Laboratory distributor of raw materials for the pharmaceutical and cosmetic industries.

Type of document:

TECHNICAL DATA SHEET

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3.0

9198-VERAPAMIL HCL

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION.

1.1 Identification of the substance or preparation.

Name: Verapamil HCL

Bulk code: 9198

1.2 Synonyms.

Verapamili hydrochloridum; Iproveratril hydrochloride; Verapamil hydrochloride.

2. DESCRIPTION

Appearance: Crystalline powder.

Colour: White or almost white.

Odour: Odourless or almost odourless.

3. COMPOSITION/INFORMATION ON COMPONENTS.

Formula: C₂₇H₃₈N₂O₄, HCl

CAS No.: 152-11-4

Molecular weight: 491.1 g/mol

4. PHYSICO-CHEMICAL DATA.

See detailed specifications on analysis certificate.

Solubility: Soluble in 20 p. water, 25 p. alcohol and 1.5 p. chloroform; soluble in isopropanol, ethyl acetate, methanol and dimethylformamide. Practically insoluble in ether.

Melting point: Approximately 144°C with decomposition.

5. PROPERTIES/USES.

ACTIVE PHARMACEUTICAL INGREDIENT.

It is a blocking agent for the slow calcium channels, pertaining to the group of phenylalkylamines. It acts by inhibiting the contractile process of the vascular smooth muscle, which translates into arteriolar vasodilation with a reduction in peripheral resistance. With regard to coronary circulation, it causes general dilation, which determines an increase in blood flow and, consequently, myocardial oxygenation.



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It is considered a class 4 antiarrhythmic, with antihypertensive, anti-anginal and peripheral vasodilator activity.

6. DOSAGE.

Orally:

- Adults: In the form of capsules, tablets and lozenges, dosed at 120–480 mg daily, divided into several doses, according to the severity and response of the patient. Sustained-release oral preparations are given for angina and hypertension.

- For children, the recommended doses are as follows:
 - Children under 2 years of age: 20 mg, 2–3 times a day.
 - Children over 2 years of age: 40–120 mg, 2–3 times a day according to age and response.
 - In case of hypertension, up to 10 mg/kg of weight per day.

7. REMARKS.

STORAGE:

Store at room temperature ($25\pm 2^{\circ}\text{C}$), in a cool, dry place, away from sunlight, in a tightly closed container.

The product has been handled in a NON-sterile room; for batches suitable for sterile use, check availability.

8. BIBLIOGRAPHY.

Monografías Farmacéuticas. COF Alicante, 1998.