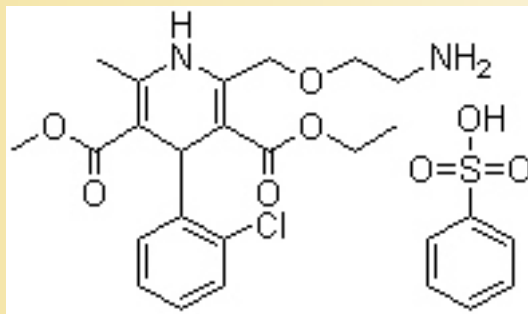


Amlodipine Besylates (Cas No 111470-99-6)

Taj Pharmaceuticals.Ltd
Amlodipine Besylate
CAS 111470-99-6

Amlodipine Besylates
Cas No. 111470-99-6.

Chemical Structure :



Identification

Synonyms Amlodipine besilate; 2-[(2-Aminoethoxy)methyl]-4-(2-chlorophenyl)-3-ethoxycarbonyl-5-methoxycarbonyl-6-methyl-1,4-dihydropyridine benzenesulfonate.

Molecular Formula : C₂₀H₂₅CIN₂O₅.C₆H₆O₃S Molecular Weight 567.05 CAS Registry Number 111470-99-6.

Amlodipine Besylates Description Amlodipine besylate is the besylate salt of amlodipine, a long-acting calcium channel blocker.

Amlodipine besylate is chemically described as 3-Ethyl-5-methyl (±)-2-[(2-aminoethoxy)methyl]-4-(2-chlorophenyl)-1,4-dihydro-6-methyl-3,5-pyridinedicarboxylate, monobenzenesulphonate. Its molecular formula is C₂₀ H₂₅ CIN₂ O₅ ·C₆ H₆ O₃ S, and its structural formula is:

Amlodipine besylate is a white crystalline powder with a molecular weight of 567.1. It is slightly soluble in water and sparingly soluble in ethanol. Amlodipine besylate tablets are formulated as white tablets equivalent to 2.5, 5 and 10 mg of amlodipine for oral administration. In addition to the active ingredient, amlodipine besylate, each tablet contains the following inactive ingredients: colloidal silicon dioxide, dibasic calcium phosphate anhydrous, magnesium stearate, microcrystalline cellulose, sodium starch glycolate, and stearic acid.

Amlodipine Besylate Precautions.

General

Since the vasodilation induced by amlodipine is gradual in onset, acute hypotension has rarely been reported after oral administration. Nonetheless, caution, as with any other peripheral vasodilator, should be exercised when administering amlodipine, particularly in patients with severe aortic stenosis.