

Product Name : Hexamethylene amiloride

Synonyms : Hexamethylene amiloride; HMA

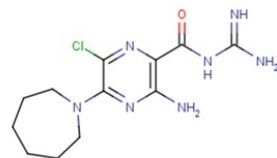
Cat No. : M19324

CAS Number : 1428-95-1

Molecular Formula : C₁₂H₁₈ClN₇O

Formula Weight : 311.77

Chemical Name : —



Description : HMA is an amiloride derivative, shown to inhibit TRPA1-mediated calcium signal (IC₅₀: 35 μM). It is an inhibitor of the Na⁺/H⁺ exchanger (NHE), with K_i of 0.013-2.4 μM for various NHE isoforms. HMA also blocks ASIC3 channels by 51% at 20 μM.

Pathway : Cytoskeleton/Cell Adhesion Molecules

Target : HSP

Receptor : NHE exchangers; TRPA1; ASIC3; P2X7

Solubility : —

SMILES : NC(=N)NC(=O)C1=C(N)N=C(N2CCCCC2)C(Cl)=N1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Banke T G. The dilated TRPA1 channel pore state is blocked by amiloride and analogues.[J]. Brain Research, 2011, 1381(1381):21-30.