

Product Name : Methazolamide

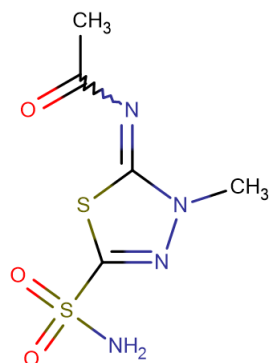
Synonyms : Methazolamide; Neptazane; Methenamide; Neptazaneat; Naptazane; N Methylacetazolamide

Cat No. : M15015

CAS Number : 554-57-4

Molecular Formula : C₅H₈N₄O₃S₂

Formula Weight : 236.27



Chemical Name : N-(3-methyl-5-sulfamoyl-1,3,4-thiadiazol-2-ylidene)acetamide

Description : Methazolamide is a carbonic anhydrase inhibitor used to treat glaucoma. Target: Carbonic Anhydrase Methazolamide is a carbonic anhydrase inhibitor with K_i of 50 nM, 14 nM and 36 nM for hCA I, hCA II and bCA IV isoforms, respectively.

Pathway : Membrane Transporter/Ion Channel

Target : Carbonic Anhydrase

Receptor : bCAIV; hCAI; hCAII

Solubility : Ethanol: 3 mg/mL (12.69 mM); DMSO: 47 mg/mL (198.92 mM)

SMILES : CC(=O)N=C1N(N=C(S1)S(=O)(=O)N)C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1.Casini A, et al. Bioorg Med Chem Lett, 2003, 13(5), 841-845.