

Methazolamide

Catalog No: tcsc2658



Available Sizes

Size: 100mg

Size: 500mg

Size: 1g

Size: 5g



Specifications

CAS No:

554-57-4

Formula:

$C_5H_8N_4O_3S_2$

Pathway:

Metabolic Enzyme/Protease

Target:

Carbonic Anhydrase

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

L584601

Observed Molecular Weight:

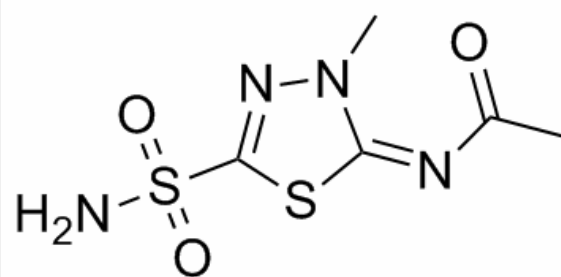
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Product Description

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 [1]. Methazolamide is of strength equal to acetazolamide, another carbonic anhydrase inhibitor used to treat irregular breathing disorders. However, methazolamide differs from acetazolamide in that it fails to activate Ca^{2+} -dependent potassium channels in skeletal muscles. Methazolamide does not impair respiratory work performance in anesthetized rabbits [2]. Oral administration of methazolamide decreases IOPs and AHFRs in clinically normal dogs, with effectiveness diminishing in the evening [3].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!