



LKT Laboratories, Inc.

Methazolamide

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID M1579

CAS No. 554-57-4

Chemical Name

Synonym

Formula $C_5H_8N_4O_3S_2$

Formula Wt. 236.27

Melting Point

Purity $\geq 98\%$

Solubility DMSO 47 mg/mL (198.92 mM)

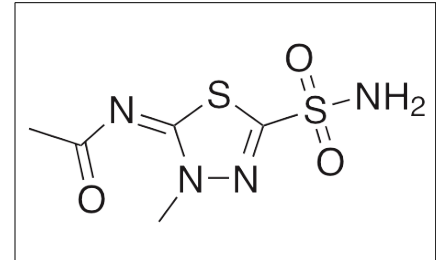
Ethanol 3 mg/mL (12.69 mM)

Water Insoluble

Store Temp Ambient

Ship Temp Ambient

Description Methazolamide is a carbonic anhydrase inhibitor that exhibits anti-glaucoma and anti-diabetic activities. Methazolamide decreases blood glucose and Hb1(Ac) levels and improves glucose tolerance. This compound is clinically used to treat glaucoma, as it lowers intraocular pressure. In some models, methazolamide may exhibit antiepileptic/anticonvulsant activity.



Bulk quantities available upon request

Product ID	Size
M1579	50 mg
M1579	250 mg
M1579	1 g

References Syrjänen L, Parkkila S, Scozzafava A, et al. Sulfonamide inhibition studies of the β carbonic anhydrase from *Drosophila melanogaster*. *Bioorg Med Chem Lett*. 2014 Jul 1;24(13):2797-801. PMID: 24852120.

Konstantopoulos N, Molero JC, McGee SL, et al. Methazolamide is a new hepatic insulin sensitizer that lowers blood glucose in vivo. *Diabetes*. 2012 Aug;61(8):2146-54. PMID: 22586591.

Friedman Z, Allen RC, Raph SM. Topical acetazolamide and methazolamide delivered by contact lenses. *Arch Ophthalmol*. 1985 Jul;103(7):963-6. PMID: 3860197.

Torchiana ML, Lotti VJ, Stone CA. The anticonvulsant effect of carbonic anhydrase inhibitors in mice--a noradrenergic mechanism of action. *Eur J Pharmacol*. 1973 Mar;21(3):343-9. PMID: 4145319.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.