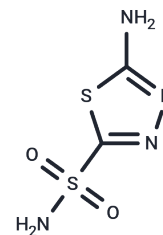


Zolamide

Chemical Properties

CAS No. :	14949-00-9
Formula:	C ₂ H ₄ N ₄ O ₂ S ₂
Molecular Weight:	180.21
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Zolamide (CL 5343) may be used to prevent altitude sickness and reduce the symptoms.
Targets(IC50)	Others,Carbonic Anhydrase

Solubility Information

Solubility	DMSO: 50 mg/mL (277.45 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (27.75 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5491 mL	27.7454 mL	55.4908 mL
5 mM	1.1098 mL	5.5491 mL	11.0982 mL
10 mM	0.5549 mL	2.7745 mL	5.5491 mL
50 mM	0.111 mL	0.5549 mL	1.1098 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Van Berkel MA, Elefritz JL. Evaluating off-label uses of acetazolamide. *Am J Health Syst Pharm.* 2018 Apr 15;75(8): 524-531. doi: 10.2146/ajhp170279. Review. PubMed PMID: 29626002.

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Llovet-Rausell A, Ruiz Tolosa F, Kudsieh B. Severe ocular side effects with acetazolamide: case report. *Arch Soc Esp Oftalmol.* 2016 Nov;91(11):543-546. doi: 10.1016/j.oftal.2016.03.013. Epub 2016 May 11. English, Spanish. PubMed PMID: 27179669.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481