

Zolamide

Chemical Properties

CAS No.:	14949-00-9
Formula:	C ₂ H ₄ N ₄ O ₂ S ₂
Molecular Weight:	180.2
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Zolamide may be used to prevent altitude sickness and reduce the symptoms.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.549 mL	27.747 mL	55.494 mL
5 mM	1.110 mL	5.549 mL	11.099 mL
10 mM	0.555 mL	2.775 mL	5.549 mL
50 mM	0.111 mL	0.555 mL	1.110 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.
2. Arenas-García JI, Herrera-Ruiz D, Morales-Rojas H, Höpfl H. Interrelation of the dissolution behavior and solid-state features of acetazolamide cocrystals. Eur J Pharm Sci. 2017 Jan 1;96:299-308. doi: 10.1016/j.ejps.2016.09.025. Epub 2016 Sep 17. PubMed PMID: 27650458.
3. 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.
4. Al-Saleem AI, Al-Jobair AM. Possible association between acetazolamide administration during pregnancy and multiple congenital malformations. Drug Des Devel Ther. 2016 Apr 15;10:1471-6. doi: 10.2147/DDDT.S99561. eCollection 2016. PubMed PMID: 27143854; PubMed Central PMCID: PMC4841426.

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