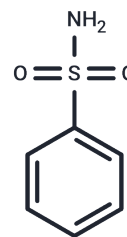


Benzenesulfonamide

Chemical Properties

CAS No. :	98-10-2
Formula:	C ₆ H ₇ NO ₂ S
Molecular Weight:	157.19
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	Benzenesulfonamide (Benzosulfonamide) is an inhibitor of carbonic anhydrases.
Targets(IC50)	Beta Amyloid,Carbonic Anhydrase,ROS

Solubility Information

Solubility	DMSO: 250 mg/mL (1590.43 mM),Sonication is recommended. Ethanol: 29 mg/mL (184.49 mM),Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (63.62 mM),Solution. <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	6.3617 mL	31.8086 mL	63.6173 mL
5 mM	1.2723 mL	6.3617 mL	12.7235 mL
10 mM	0.6362 mL	3.1809 mL	6.3617 mL
50 mM	0.1272 mL	0.6362 mL	1.2723 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

Rutkauskas K, et al. Molecules. 2014, 19(11):17356-80.

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