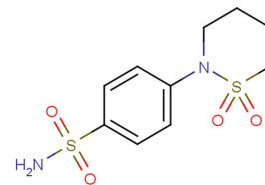


Sultiame

Chemical Properties

CAS No.:	61-56-3
Formula:	C ₁₀ H ₁₄ N ₂ O ₄ S ₂
Molecular Weight:	290.36
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Sultiame is an inhibitor of carbonic anhydrase.
Targets(IC ₅₀)	Others: None
In vitro	Sultiame is a sulphonamide and it may exerts antiepileptic activity by producing a modest intracellular acidosis in central neurons via acting as a carbonic anhydrase inhibitor [1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.444 mL	17.22 mL	34.44 mL
5 mM	0.689 mL	3.444 mL	6.888 mL
10 mM	0.344 mL	1.722 mL	3.444 mL
50 mM	0.069 mL	0.344 mL	0.689 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. Milburn-McNulty P, et al. Sulthiame add-on therapy for epilepsy. Cochrane Database Syst Rev. 2015 Oct 28;(10):CD009472.

Inhibitors · Natural Compounds · Compound Libraries

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