

Thioaspirine

Chemical Properties

CAS No. :	55819-78-8
Formula:	C9H8O3S
Molecular Weight:	196.22
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Thioaspirine is a carbonic anhydrase (CA) inhibitor with K_i values of 64.3 μM for hCA II and 10.9 μM for hCA IX. It effectively alleviates inflammatory pain in mice induced by complete Freund's adjuvant (CFA). Thioaspirine is applicable for research on inflammatory pain.
Targets(IC50)	Carbonic Anhydrase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0963 mL	25.4816 mL	50.9632 mL
5 mM	1.0193 mL	5.0963 mL	10.1926 mL
10 mM	0.5096 mL	2.5482 mL	5.0963 mL
50 mM	0.1019 mL	0.5096 mL	1.0193 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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