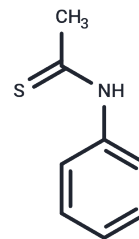


Thioacetanilide

Chemical Properties

CAS No. :	637-53-6
Formula:	C ₈ H ₉ NS
Molecular Weight:	151.23
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	Thioacetanilide (NSC-36984) possesses potential anti-inflammatory and analgesic activities.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (363.68 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.6124 mL	33.0622 mL	66.1244 mL
5 mM	1.3225 mL	6.6124 mL	13.2249 mL
10 mM	0.6612 mL	3.3062 mL	6.6124 mL
50 mM	0.1322 mL	0.6612 mL	1.3225 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

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Li X, et al. Arylazolyl(azinyl)thioacetanilides: Part 19: Discovery of Novel Substituted Imidazo[4,5-b]pyridin-2-ylthioacetanilides as Potent HIV NNRTIs Via a Structure-based Bioisosterism Approach. *Chem Biol Drug Des*. 2016 Aug;88(2):241-53.

Wan ZY, et al. Pyrimidine sulfonylacetanilides with improved potency against key mutant viruses of HIV-1 by specific targeting of a highly conserved residue. *Eur J Med Chem*. 2015 Sep 18;102:215-22.

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