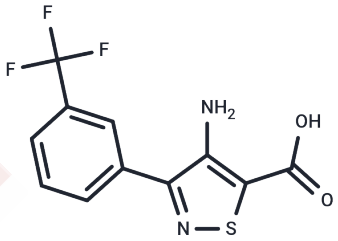
Data Sheet (Cat.No.T8567)

TargetMol

amflutizole

Chemical Properties



CAS No. : 82114-19-0

Formula: C11H7F3N2O2S

Molecular Weight: 288.246

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	Amflutizole used for the treatment of gout, and is a Xanthine oxidase inhibitor
Targets(IC50)	Xanthine Oxidase
In vivo	Amflutizole is a xanthine oxidase inhibitor, inhibits free radical generation in the ischemic/reperfused rat cerebral cortex[1]

Solubility Information

Solubility	DMSO: 2.89 mg/mL (10.03 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4692 mL	17.3461 mL	34.6921 mL
5 mM	0.6938 mL	3.4692 mL	6.9384 mL
10 mM	0.3469 mL	1.7346 mL	3.4692 mL
50 mM	0.0694 mL	0.3469 mL	0.6938 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

Phillis J W , Sen S , Cao X . Amflutizole, a xanthine oxidase inhibitor, inhibits free radical generation in the ischemic/reperfused rat cerebral cortex[J]. Neuroence Letters, 1994, 169(1):188-190.

M H O'Regan 1 , M Smith-Barbour, L M Perkins. et al.The effect of amflutizole, a xanthine oxidase inhibitor, on ischemia-evoked purine release and free radical formation in the rat cerebral cortex.Neuropharmacology. 1994 Oct;33(10):1197-201.