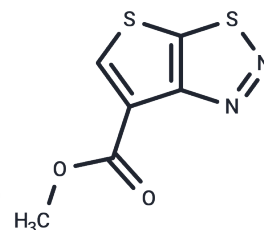


2,3-dihydrothieno-Thiadiazole Carboxylate

Chemical Properties

CAS No. :	152467-47-5
Formula:	C ₆ H ₄ N ₂ O ₂ S ₂
Molecular Weight:	200.24
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	2,3-dihydrothieno-Thiadiazole Carboxylate is a CYP450 (CYP2E1 and CYP2B4) inhibitor.
Targets(IC50)	Cytochromes P450

Solubility Information

Solubility	Ethanol: 2.01 mg/mL (10.04 mM), Sonication is recommended. DMSO: 45 mg/mL (224.73 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	4.994 mL	24.970 mL	49.9401 mL
5 mM	0.9988 mL	4.994 mL	9.988 mL
10 mM	0.4994 mL	2.497 mL	4.994 mL
50 mM	0.0999 mL	0.4994 mL	0.9988 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

Babu, B. R. and Vaz, A.D.N. 1,2,3-thiadiazole: A novel heterocyclic heme ligand for the design of cytochrome P450 inhibitors. *Biochemistry* 36, 7209-7216 (1997).

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