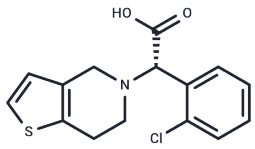
Data Sheet (Cat.No.T36112)

TargetMol

Clopidogrel Carboxylic Acid hydrochloride

Chemical Properties



CAS No. : 144750-42-5

Formula: C15H15Cl2NO2S

Molecular Weight: 344.26

Storage: Store under nitrogen
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	Clopidogrel Carboxylic Acid hydrochloride (SR 26334) is a major inactive metabolite of clopidogrel, accounting for 85% of circulating clopidogrel, and is produced by hydrolysis by esterases. CLPM is commonly used as a reference standard for metabolic analysis of clopidogrel.
Targets(IC50)	Drug Metabolite

Solubility Information

Solubility	PBS (pH 7.2): 8 mg/mL (23.24 mM),Sonication is recommended. Ethanol: 8 mg/mL (23.24 mM),Sonication is recommended. DMSO: 8 mg/mL (23.24 mM),Sonication is recommended. DMF: 8 mg/mL (23.24 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9048 mL	14.5239 mL	29.0478 mL
5 mM	0.581 mL	2.9048 mL	5.8096 mL
10 mM	0.2905 mL	1.4524 mL	2.9048 mL
50 mM	0.0581 mL	0.2905 mL	0.581 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

Chałupka J, et al. Bio-Approach for Obtaining Enantiomerically Pure Clopidogrel with the Use of Ionic Liquids. Int J Mol Sci. 2023 Jul 5;24(13):11124.

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