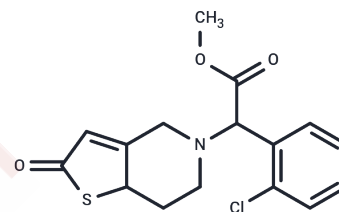


2-oxo Clopidogrel

Chemical Properties

CAS No. :	109904-27-0
Formula:	C ₁₆ H ₁₆ ClNO ₃ S
Molecular Weight:	337.82
Storage:	Store at low temperature 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	2-oxo Clopidogrel((±)-SR-121683) is a drug metabolite and thiolactone intermediate of Clopidogrel, which is catalyzed by hepatic cytochrome P450 (P450) enzymes via CYP3A oxidation, and is capable of further post hydrolysis to the active metabolite CAM. Clopidogrel is an antithrombotic pro-drug.
Targets(IC50)	Others,Drug Metabolite

Solubility Information

Solubility	Ethanol: 5 mg/mL (14.8 mM),Sonication and heating are recommended. DMSO: 200 mg/mL (592.03 mM),Sonication and heating are recommended. DMF:PBS (pH 7.2) (1:20): < 1 mg/mL, insoluble,Sonication is recommended. DMF: 10 mg/mL (29.6 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9602 mL	14.8008 mL	29.6016 mL
5 mM	0.592 mL	2.9602 mL	5.9203 mL
10 mM	0.296 mL	1.4801 mL	2.9602 mL
50 mM	0.0592 mL	0.296 mL	0.592 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

A Scalable Synthesis of (±)-2-Oxoclopidogrel

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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