

RR6

Chemical Properties

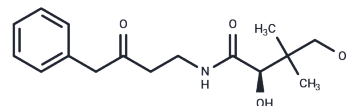
CAS No. : 1351758-37-6

Formula: C₁₆H₂₃NO₄

Molecular Weight: 293.36

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	RR6 acts as a selective, reversible, and competitive vanin inhibitor at nanomolar concentration.
Targets(IC50)	Others
In vivo	Oral administration of RR6 (3 mg/mL) in rats completely inhibited plasma vanin activity and caused alterations of plasma lipid concentrations upon fasting, thereby illustrating its potential use in chemical biology research.

Solubility Information

Solubility	DMSO: 100 mg/mL (340.88 mM), (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4088 mL	17.0439 mL	34.0878 mL
5 mM	0.6818 mL	3.4088 mL	6.8176 mL
10 mM	0.3409 mL	1.7044 mL	3.4088 mL
50 mM	0.0682 mL	0.3409 mL	0.6818 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.

Reference

Jansen PA et al. Discovery of small molecule vanin inhibitors: new tools to study metabolism and disease. ACS Chem Biol. 2013 Mar 15;8(3):530-4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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