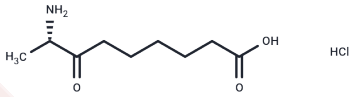
Data Sheet (Cat.No.T36365)

TargetMol

KAPA hydrochloride

Chemical Properties



CAS No. : 177408-65-0

Formula: C9H18ClNO3

Molecular Weight: 223.7

Storage: Store at low temperature,Keep away from moisture
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	KAPA hydrochloride (7-keto-8-Aminopelargomic Acid HCl) is a biotin synthesis intermediate.
Targets(IC50)	Others

Solubility Information

Solubility	DMF: 8 mg/mL (35.76 mM),Sonication is recommended. Ethanol: 8 mg/mL (35.76 mM),Sonication is recommended. DMSO: 8 mg/mL (35.76 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4703 mL	22.3514 mL	44.7027 mL
5 mM	0.8941 mL	4.4703 mL	8.9405 mL
10 mM	0.447 mL	2.2351 mL	4.4703 mL
50 mM	0.0894 mL	0.447 mL	0.8941 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

Lin S, et al. The BioC O-methyltransferase catalyzes methyl esterification of malonyl-acyl carrier protein, an essential step in biotin synthesis. J Biol Chem. 2012 Oct 26;287(44):37010-20.
Manandhar M, et al. Pimelic acid, the first precursor of the Bacillus subtilis biotin synthesis pathway, exists as the free acid and is assembled by fatty acid synthesis. Mol Microbiol. 2017 May;104(4):595-607.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481