

(S)-CPP sodium

Chemical Properties

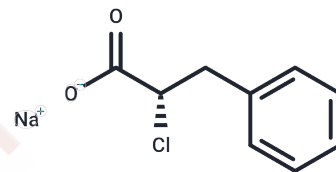
CAS No. : 194979-70-9

Formula: C₉H₈ClNaO₂

Molecular Weight: 206.60

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	(S)-CPP sodium serves as an inhibitor of the branched-chain α -keto acid dehydrogenase complex (BCKDC) kinase, commonly referred to as BDK or keto acid dehydrogenase kinase. As a negative regulator of BCKDC activity, (S)-CPP (IC ₅₀ of 6.3 μ M) inhibits BDK, which activates the complex, leading to a significant reduction in the levels of leucine/isoleucine and valine in the plasma of wild-type mice.
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8403 mL	24.2014 mL	48.4027 mL
5 mM	0.9681 mL	4.8403 mL	9.6805 mL
10 mM	0.484 mL	2.4201 mL	4.8403 mL
50 mM	0.0968 mL	0.484 mL	0.9681 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481