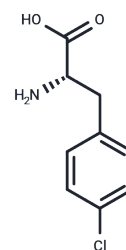


4-Chloro-L-phenylalanine

Chemical Properties

CAS No. :	14173-39-8
Formula:	C ₉ H ₁₀ ClNO ₂
Molecular Weight:	199.63
Storage:	Store at low temperature, Keep away from moisture, Keep away from direct sunlight 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	4-Chloro-L-phenylalanine (L-PCPA) is an inhibitor of 5-HT biosynthesis and a non-specific antagonist of tryptophan hydroxylase (TPH1 and TPH2).
Targets(IC50)	5-HT Receptor, Hydroxylase

Solubility Information

Solubility	H ₂ O: 4.38 mg/mL (21.94 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0093 mL	25.0463 mL	50.0927 mL
5 mM	1.0019 mL	5.0093 mL	10.0185 mL
10 mM	0.5009 mL	2.5046 mL	5.0093 mL
50 mM	0.1002 mL	0.5009 mL	1.0019 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

Chasen J Greig, et al. Enhanced serotonin signaling increases intestinal neuroplasticity. J Surg Res. 2016 Nov;206(1):151-158.

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