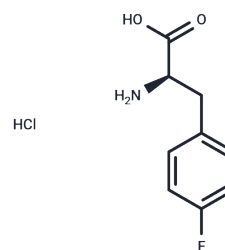


4-Fluoro-D-phenylalanine HCl

Chemical Properties

CAS No. :	122839-52-5
Formula:	C ₉ H ₁₁ ClFNO ₂
Molecular Weight:	219.64
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	4-Fluoro-D-phenylalanine HCl (4-Fluorophenylalanine) is an amino acid salt.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (250.41 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	4.5529 mL	22.7645 mL	45.529 mL
5 mM	0.9106 mL	4.5529 mL	9.1058 mL
10 mM	0.4553 mL	2.2765 mL	4.5529 mL
50 mM	0.0911 mL	0.4553 mL	0.9106 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

Wheatley DN. Temperature and the progression of HeLa S-3 cells from G2 into mitosis in the presence and absence of the amino acid analogue, para-fluorophenylalanine. *Cytobios*. 1977;18(69):37-50. PubMed PMID: 608351.

Wheatley tdn, henderson JY. Recovery of HeLa cells from inhibited entry into mitosis induced by p-fluorophenylalanine. *Exp Cell Res*. 1975 Apr;92(1):211-20. PubMed PMID: 1132428.

Sunkara PS, Chakroborty BM, Wright DA, Rao PN. Chromosome condensing ability of mitotic proteins diminished by the substitution of phenylalanine with parafluorophenylalanine. *Eur J Cell Biol*. 1981 Feb;23(2):312-6. PubMed PMID: 7193581.

Rao PN, Sunkara PS. Correlation between the high rate of protein synthesis during mitosis and the absence of G1 period in V79-8 cells. *Exp Cell Res*. 1980 Feb;125(2):507-11. PubMed PMID: 7353608.

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