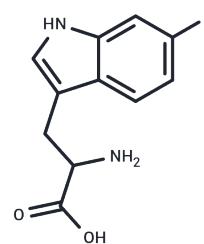


6-fluoro-DL-Tryptophan

Chemical Properties

CAS No. :	7730-20-3
Formula:	C ₁₁ H ₁₁ FN ₂ O ₂
Molecular Weight:	222.22
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	6-fluoro-DL-Tryptophan is an inhibitor of serotonin (5-HT) synthesis.
Targets(IC50)	5-HT Receptor,Hydroxylase

Solubility Information

Solubility	DMSO: 2.23 mg/mL (10.04 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	4.500 mL	22.5002 mL	45.0005 mL
5 mM	0.900 mL	4.500 mL	9.0001 mL
10 mM	0.450 mL	2.250 mL	4.500 mL
50 mM	0.090 mL	0.450 mL	0.900 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

Chanut E , Zini R , Trouvin J H , et al. Albumin binding and brain uptake of 6-fluoro-DL-tryptophan: competition with L-tryptophan[J]. Biochemical Pharmacology, 1992, 44(10):2082-2085.

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