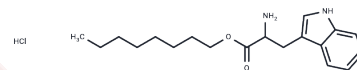


## DL-Tryptophan octyl ester (hydrochloride)

### Chemical Properties

CAS No. :	6278-90-6
Formula:	C <sub>19</sub> H <sub>29</sub> ClN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	352.9
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	Tryptophan is an amino acid precursor of serotonin and melatonin. DL-Tryptophan octyl ester is a tryptophan derivative with an octyl ester protected COOH group. This addition creates a stable, cell-permeable molecule capable of generating free tryptophan upon hydrolysis of the ester bond.
Targets(IC50)	Others,Amino Acids and Derivatives

### Solubility Information

Solubility	DMSO: 25 mg/mL (70.84 mM),Sonication is recommended. Ethanol: 1 mg/mL (2.83 mM),Sonication is recommended. DMF: 15 mg/mL (42.5 mM),Sonication is recommended. DMSO:PBS(pH7.2) (1:1): 0.5 mg/mL (1.42 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	2.8337 mL	14.1683 mL	28.3366 mL
5 mM	0.5667 mL	2.8337 mL	5.6673 mL
10 mM	0.2834 mL	1.4168 mL	2.8337 mL
50 mM	0.0567 mL	0.2834 mL	0.5667 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.

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