

5-Hydroxy-L-tryptophan-4,6,7-D3

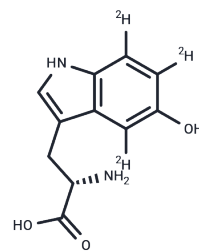
Chemical Properties

CAS No. : 1276197-29-5

Formula: C₁₁H₁₂N₂O₃

Molecular Weight: 223.243

Storage: Keep away from moisture, Keep away from direct sunlight
 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	5-Hydroxy-L-tryptophan-4,6,7-D3 is L-5-Hydroxytryptophan labeled with 2H. L-5-Hydroxytryptophan (L-5-HTP) is a dietary supplement and a precursor to serotonin, which inhibits the IFN- γ induced PD-L1 expression. It promotes anti-tumor immunity and is used in research on migraine and depression.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 10.00 mg/mL (44.79 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	4.4795 mL	22.3974 mL	44.7948 mL
5 mM	0.8959 mL	4.4795 mL	8.959 mL
10 mM	0.4479 mL	2.2397 mL	4.4795 mL
50 mM	0.0896 mL	0.4479 mL	0.8959 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

Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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