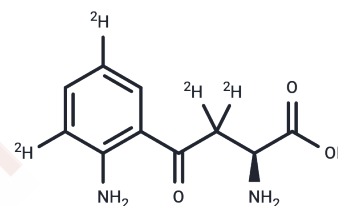


L-Kynurenine-D4

Chemical Properties

CAS No. :	2672568-86-2
Formula:	C ₁₀ H ₈ D ₄ N ₂ O ₃
Molecular Weight:	212.24
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	L-Kynurenine-D4 is a deuterated compound of L-Kynurenine, suitable for isotope tracing. L-Kynurenine (T4928) is a metabolite of tryptophan and an endogenous agonist of the AHR.
Targets(IC50)	AhR,Aryl Hydrocarbon Receptor,Endogenous Metabolite

Solubility Information

Solubility	DMF: ≥ 0.4,Sonication is recommended. Ethanol: ≥ 1.5,Sonication is recommended. DMSO: ≥ 0.8,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	4.7116 mL	23.5582 mL	47.1165 mL
5 mM	0.9423 mL	4.7116 mL	9.4233 mL
10 mM	0.4712 mL	2.3558 mL	4.7116 mL
50 mM	0.0942 mL	0.4712 mL	0.9423 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

- Adams KN, et al. Verapamil, and its metabolite norverapamil, inhibit macrophage-induced, bacterial efflux pump-mediated tolerance to multiple anti-tubercular drugs. *J Infect Dis.* 2014 Aug 1;210(3):456-66.
- Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.

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