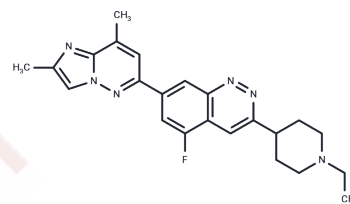


HTT-D3

Chemical Properties

CAS No. :	2254502-89-9
Formula:	C ₂₃ H ₂₅ FN ₆
Molecular Weight:	404.48
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	HTT-D3 is an orally active, highly efficient Huntington splicing modulator. It induces HTT mRNA degradation, reduces HTT protein levels, and inhibits P-glycoprotein (P-gp) efflux. This compound can be used in Huntington's disease research.
Targets(IC50)	P-gp

Solubility Information

Solubility	H ₂ O: < 0.625 mg/mL (insoluble or slightly soluble) DMSO: 0.71 mg/mL (1.76 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	2.4723 mL	12.3616 mL	24.7231 mL
5 mM	0.4945 mL	2.4723 mL	4.9446 mL
10 mM	0.2472 mL	1.2362 mL	2.4723 mL
50 mM	0.0494 mL	0.2472 mL	0.4945 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

Bhattacharyya A, et al. Small molecule splicing modifiers with systemic HTT-lowering activity. Nat Commun. 2021 Dec 15;12(1):7299.

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