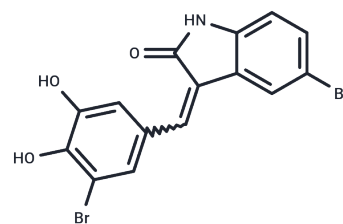


LC3-mHTT-IN-AN1

Chemical Properties

CAS No. :	486443-73-6
Formula:	C ₁₅ H ₉ Br ₂ NO ₃
Molecular Weight:	411.04
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	LC3-mHTT-IN-AN1 is a mHTT-LC3 linker compound that interacts with both mutant huntingtin protein (mHTT) and LC3B. LC3-mHTT-IN-AN1 targeted mHTT to autophagosomes reduces the levels of mHTT in an allele-selective manner in cultured Huntington disease (HD) mouse neurons.
Targets(IC50)	Others, Autophagy, ATTECs
In vitro	LC3-mHTT-IN-AN1 targeted mHTT to autophagosomes, reduced mHTT levels in an allele-selective manner, and rescued disease-relevant phenotypes in cells and in vivo in fly and mouse models of Huntington's disease.

Solubility Information

Solubility	DMSO: 120 mg/mL(291.94 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	2.4329 mL	12.1643 mL	24.3285 mL
5 mM	0.4866 mL	2.4329 mL	4.8657 mL
10 mM	0.2433 mL	1.2164 mL	2.4329 mL
50 mM	0.0487 mL	0.2433 mL	0.4866 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.

Reference

Li Z, et al. Allele-selective lowering of mutant HTT protein by HTT-LC3 linker compounds. Nature. 2019 Nov;575(7781):203-209.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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