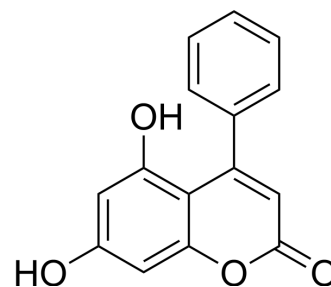


LC3-mHTT-IN-AN2

Cat. No.:	HY-130259												
CAS No.:	7758-73-8												
Molecular Formula:	C ₁₅ H ₁₀ O ₄												
Molecular Weight:	254.24												
Target:	Autophagy; ATTECs; Atg8/LC3												
Pathway:	Autophagy; PROTAC												
Storage:	<table border="0"> <tr> <td>Powder</td> <td>-20°C</td> <td>3 years</td> </tr> <tr> <td></td> <td>4°C</td> <td>2 years</td> </tr> <tr> <td>In solvent</td> <td>-80°C</td> <td>6 months</td> </tr> <tr> <td></td> <td>-20°C</td> <td>1 month</td> </tr> </table>	Powder	-20°C	3 years		4°C	2 years	In solvent	-80°C	6 months		-20°C	1 month
Powder	-20°C	3 years											
	4°C	2 years											
In solvent	-80°C	6 months											
	-20°C	1 month											



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (491.66 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.9333 mL	19.6665 mL	39.3329 mL
		5 mM	0.7867 mL	3.9333 mL	7.8666 mL
10 mM		0.3933 mL	1.9666 mL	3.9333 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (8.18 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (8.18 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (8.18 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	LC3-mHTT-IN-AN2 (Compound AN2) is a mHTT-LC3 linker compound, which interacts with both mutant huntingtin protein (mHTT) and LC3B but not with wtHTT or irrelevant control proteins. LC3-mHTT-IN-AN2 reduces the levels of mHTT in an allele-selective manner in cultured Huntington disease (HD) mouse neurons ^[1] .
IC₅₀ & Target	mHTT-LC3 Linker Compound
In Vitro	LC3-mHTT-IN-AN2 (10, 50, 100, and 300 nM) reduces the levels of mHTT in an allele-selective manner in cultured HD mouse

neurons^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Li Z, et al. Allele-selective lowering of mutant HTT protein by HTT-LC3 linker compounds. Nature. 2019 Oct 30.

Caution: Product has not been fully validated for medical applications. For research use only.

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