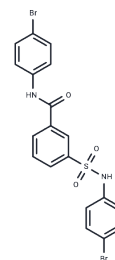


C2-8

## Chemical Properties

CAS No. :	300670-16-0
Formula:	C <sub>19</sub> H <sub>14</sub> Br <sub>2</sub> N <sub>2</sub> O <sub>3</sub> S
Molecular Weight:	510.2
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	C2-8 is an inhibitor of polyglutamine (polyQ) aggregation with IC <sub>50</sub> s of 25 and 0.05 μM for recombinant HDQ51 and in PC12 cells, respectively. It also limits polyQ aggregation in organotypic hippocampal slice cultures from R6/2 transgenic mice and reduces neurodegeneration dose-dependently in a Drosophila model of Huntington's disease. C2-8 (100 and 200 mg/kg) decreases huntingtin aggregate size, reduces neuronal atrophy, and enhances motor performance in a rotarod test in the R6/2 transgenic mouse model of Huntington's disease.
Targets(IC <sub>50</sub> )	Others,Huntingtin

## Solubility Information

Solubility	DMF: 33 mg/mL (64.68 mM),Sonication is recommended. DMSO: 33 mg/mL (64.68 mM),Sonication is recommended. DMSO:PBS(pH 7.2) (1:3): 0.25 mg/mL (0.49 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	1.960 mL	9.8001 mL	19.6002 mL
5 mM	0.392 mL	1.960 mL	3.920 mL
10 mM	0.196 mL	0.980 mL	1.960 mL
50 mM	0.0392 mL	0.196 mL	0.392 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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