

Product Data Sheet

Product Name: C2-8
Cat. No.: GC43079

Chemical Properties

Cas. No. 300670-16-0

SMILES BrC1=CC=C(NC(C2=CC=CC(S(NC3=CC=C(Br)C=C3)(=O)=O)=C2)=O)C=C1

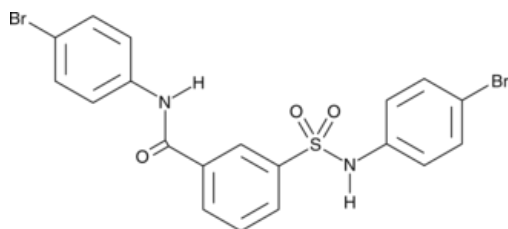
Formula C₁₉H₁₄Br₂N₂O₃S M.Wt 510.2

Solubility DMF: 33 mg/ml, DMSO: 33 mg/ml, DMSO:PBS(pH 7.2) (1:3): 0.25 mg/ml
Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

C2-8 is an inhibitor of polyglutamine (polyQ) aggregation (IC₅₀s = 25 and 0.05 μM for recombinant HDQ51 and in PC12 cells, respectively). It also inhibits polyQ aggregation in organotypic hippocampal slice cultures isolated from R6/2 transgenic mice and reduces neurodegeneration in a dose-dependent manner in a Drosophila model of Huntington's disease. C2-8 (100 and 200 mg/kg) reduces huntingtin aggregate size, reduces neuronal atrophy, and improves motor performance in a rotarod test in the R6/2 transgenic mouse model of Huntington's disease.

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

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