

Product Data Sheet

Product Name: SynuClea-D

Cat. No.: GC39286

Chemical Properties

Cas. No. 685121-45-3

SMILES N#CC1=C(C(F)(F)F)C([N+])([O-])=O=C(C2=CC=CC([N+])([O-])=O)=C2)NC1=O

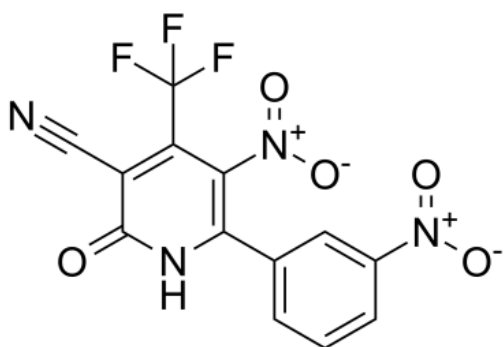
Formula $C_{13}H_5F_3N_4O_5$ M.Wt 354.2

Solubility DMSO: 83.33 mg/mL (235.26 mM) 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

SynuClea-D (SC-D) is an inhibitor of α -synuclein aggregation, disrupts mature amyloid fibrils, prevents fibril propagation, and abolishes the degeneration of dopaminergic neurons in an animal model of Parkinson's disease[1].

[1]. Pujols J, et al. Small molecule inhibits α -synuclein aggregation, disrupts amyloid fibrils, and prevents degeneration of dopaminergic neurons. Proc Natl Acad Sci U S A. 2018 Oct 9;115(41):10481-10486.

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

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