

Product Data Sheet

Product Name: α -Synuclein-IN-17

Cat. No.: GC79801

Chemical Properties

Cas. No. 676458-63-2

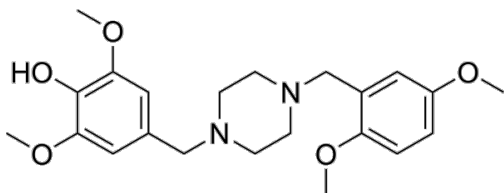
Formula $C_{22}H_{30}N_2O_5$ M.Wt 402.48

Solubility DMSO: 4.17 mg/mL (10.36 mM; Need ultrasonic) 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

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

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α -Synuclein-IN-17 (Compound 10) is an α -Synuclein inhibitor, with an IC_{50} value of 9 μ M. α -Synuclein-IN-17 exhibits potent inhibitory activity against both in-vitro assembled asyn fibrils and LBD brain tissue-amplified asyn fibrils. α -Synuclein-IN-17 can be used for the study of Parkinson's disease (PD) and Lewy Body Disease (LBD) [1].

References:

[1]. Hwang H, et al. Identification of small molecule dimethoxyphenyl piperazine inhibitors of alpha-synuclein fibril growth. Sci Rep. 2025 Sep 26;15(1):33108.

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