

Product Data Sheet

Product Name: MAO-B-IN-9

Cat. No.: GC70961

Chemical Properties

Cas. No. 2416910-88-6

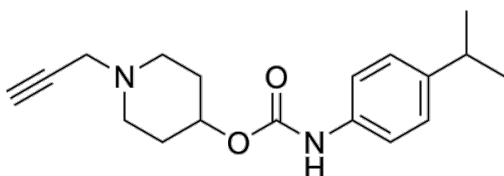
Formula $C_{18}H_{24}N_2O_2$ M.Wt 300.4

Solubility DMSO : 100 mg/mL (332.89 mM); Storage 4°C, protect from light
Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

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

MAO-B-IN-9 (compound 16) is a potent, selective, BBB-penetrated, irreversible and time-dependent MAO-B (monoamine oxidase B) inhibitor, with an IC₅₀ of 0.18 μM. MAO-B-IN-9 prevents Aβ₁-42-induced neuronal cell death. MAO-B-IN-9 shows neuroprotective effects, which may be the result of its Aβ₁-42 anti-aggregation effects. MAO-B-IN-9 is a click chemistry reagent, it contains an Alkyne

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

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group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

References:

[1]. Kořak U, et al. N-alkylpiperidine carbamates as potential anti-Alzheimer's agents. Eur J Med Chem. 2020 Jul 1;197:112282.

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