

Product Data Sheet

Product Name: MAO-B-IN-55

Cat. No.: GC79784

Chemical Properties

Cas. No. 1458219-02-7

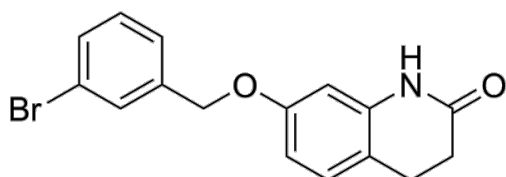
Formula $C_{16}H_{14}BrNO_2$ M.Wt 332.2

Solubility DMSO: ≥ 125 mg/mL (376.28 mM) Storage Store at 4°C, away from moisture

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-55 (Compound 5c) is a reversible competitive MAO-B inhibitor with an IC_{50} of 2.9 nM, and it exhibits approximately 2750-fold higher selectivity for MAO-B over MAO-A. MAO-B-IN-55 can be used for the research of Parkinson's disease [1].

References:

[1]. Meiring L, Petzer JP, Petzer A. Inhibition of monoamine oxidase by 3,4-dihydro-2(1H)-quinolinone derivatives. Bioorg Med Chem Lett. 2013 Oct 15;23(20):5498-502.

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

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