

Product Data Sheet

Product Name: NB-360
Cat. No.: GC65970

Chemical Properties

Cas. No. 1262857-73-7

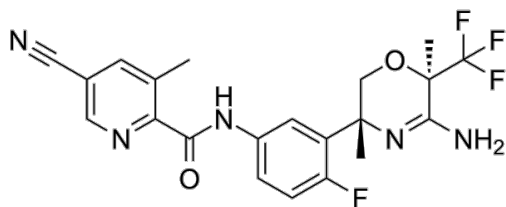
Formula $C_{21}H_{19}F_4N_5O_2$ M.Wt 449.4

Solubility DMSO : 250 mg/mL (556.30 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

IC₅₀: 5 nM (Mouse and human BACE1), 6 nM (BACE2) [1]

NB-360 is a potent, brain penetrable, and orally bioavailable dual **BACE1/BACE2** inhibitor (IC₅₀:

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

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mouse and human BACE1=5 nM; BACE2=6 nM). NB-360 shows a superior pharmacological profile and robust reduction of amyloid- β and neuroinflammation in amyloid precursor protein (APP) transgenic mice. NB-360 can completely block the progression of A β deposition in the brains of APP transgenic mice. NB-360 shows excellent selectivity over the related aspartyl proteases pepsin, cathepsin D and cathepsin E^{[1][2]}.

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