

Product Data Sheet

Product Name: ELN 318463

Cat. No.: GC39629

Chemical Properties

Cas. No. 851600-86-7

SMILES O=S(N(CC1=CC=C(Br)C=C1)[C@H]2C(NCCCC2)=O)(C(C=C3)=CC=C3Cl)=O

Formula $C_{19}H_{20}BrClN_2O_3S$ M.Wt 471.8

Solubility DMSO : 125 mg/mL (264.94 mM; Storage Store at -20°C
Need ultrasonic)

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.

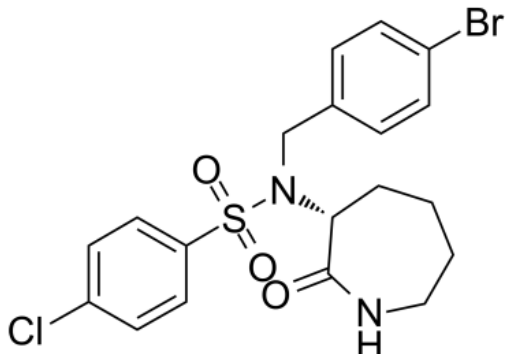
Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Structure



Background

ELN 318463 is an amyloid precursor protein (APP) selective γ -secretase inhibitor. ELN 318463 shows differential inhibition of presenilin (PS1)- and PS2-comprised γ -secretase with EC50s of 12 nM and 656 nM for PS1 and PS2, respectively. ELN 318463 is 51-fold more selective for PS1[1][2].

[1]. Zhao B, et al. Identification of gamma-secretase inhibitor potency determinants on presenilin. J Biol Chem. 2008 Feb 1;283(5):2927-38. [2]. Basi GS, et al. Amyloid precursor protein selective gamma-secretase inhibitors for treatment of Alzheimer's disease. Alzheimers Res Ther. 2010 Dec 29;2(6):36.

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