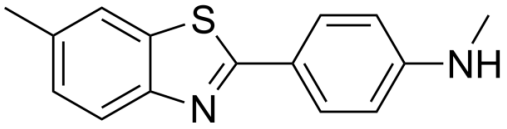
Product Data Sheet

Product Name: BTA-1_b
Cat. No.: GC79788

Chemical Properties

Cas. No.	95856-73-8		
Formula	$C_{15}H_{14}N_2S$	M.Wt	254.35
Solubility	DMSO: 5.56 mg/mL (21.86 mM; ultrasonic and warming and heat to 60°C)	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

BTA-1 _b (BTA-1-CH3) is a structural analog of BTA-1. BTA-1 is an uncharged derivative of Thioflavin-T. It exhibits high affinity for Aβ fibrils and demonstrates excellent brain penetration and clearance capabilities.

In Vitro, Structural analogs are frequently used as control compounds to distinguish whether the biological effects of a target molecule are mediated by specific target binding or by non-specific

physicochemical properties.

References:

[1]. Tomoshige S, et al. Discovery of Small Molecules that Induce the Degradation of Huntingtin. Angew Chem Int Ed Engl. 2017 Sep 11;56(38):11530-11533.
[2]. Wu C, et. al. The binding of thioflavin T and its neutral analog BTA-1 to protofibrils of the Alzheimer's disease Abeta(16-22) peptide probed by molecular dynamics simulations. J Mol Biol. 2008 Dec 19;384(3):718-29.

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