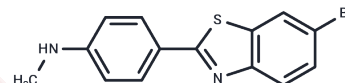


4-(6-Bromo-2-benzothiazolyl)-N-methylbenzenamine

Chemical Properties

CAS No. : 566169-98-0
 Formula: C₁₄H₁₁BrN₂S
 Molecular Weight: 319.22
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	4-(6-Bromo-2-benzothiazolyl)-N-methylbenzenamine is a potent amyloid imaging agent that binds to Amyloid- β [1-40] with a dissociation constant (KD) of 1.7 nM.
Targets(IC50)	Beta Amyloid

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1326 mL	15.6632 mL	31.3264 mL
5 mM	0.6265 mL	3.1326 mL	6.2653 mL
10 mM	0.3133 mL	1.5663 mL	3.1326 mL
50 mM	0.0627 mL	0.3133 mL	0.6265 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Mathis CA, et al. Synthesis and evaluation of ¹¹C-labeled 6-substituted 2-arylbenzothiazoles as amyloid imaging agents. J Med Chem. 2003 Jun 19;46(13):2740-54.

Klunk W, et al. Amyloid imaging as a surrogate marker for efficacy of anti-amyloid therapies.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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