

A 61603

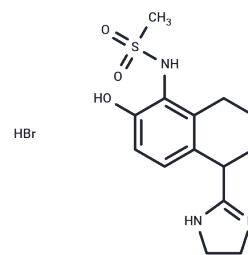
Chemical Properties

CAS No. : 107756-30-9

Formula: C₁₄H₂₀BrN₃O₃S

Molecular Weight: 390.3

Storage: Store at low temperature
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	A 61603 is an α 1A adrenergic receptor agonist that is subtype-selective for α 1A receptors. A 61603 can be used to study adrenergic function and α 1A adrenergic receptor regulation.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	DMSO: 16 mg/mL (40.99 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5621 mL	12.8107 mL	25.6213 mL
5 mM	0.5124 mL	2.5621 mL	5.1243 mL
10 mM	0.2562 mL	1.2811 mL	2.5621 mL
50 mM	0.0512 mL	0.2562 mL	0.5124 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

Meyer MD, et al. Synthesis and in vitro characterization of N-[5-(4,5-dihydro-1H-imidazol-2-yl)-2-hydroxy-5,6,7,8-tetrahydronaphthalen-1-yl]methanesulfonamide and its enantiomers: a novel selective alpha 1A receptor agonist. J Med Chem. 1996 Sep 27;39(20):4116-9.

Knepper SM, et al. A-61603, a potent alpha 1-adrenergic receptor agonist, selective for the alpha 1A receptor subtype. J Pharmacol Exp Ther. 1995 Jul;274(1):97-103.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481