

SR 16584

Chemical Properties

CAS No. : 1150153-86-8

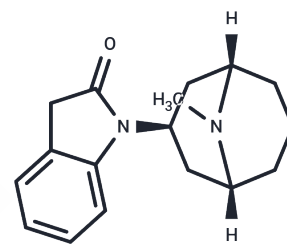
Formula: C₁₇H₂₂N₂O

Molecular Weight: 270.37

Store at low temperature

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	SR 16584 is a selective $\alpha 3\beta 4$ nAChR antagonist (IC ₅₀ = 10.2 μ M, K _i = 0.508) that can attenuate the contractile effects induced by epibatidine.
Targets(IC ₅₀)	AChR

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6986 mL	18.4932 mL	36.9864 mL
5 mM	0.7397 mL	3.6986 mL	7.3973 mL
10 mM	0.3699 mL	1.8493 mL	3.6986 mL
50 mM	0.074 mL	0.3699 mL	0.7397 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

Solt L A, et al. Identification of a selective ROR γ ligand that suppresses Th17 cells and stimulates T regulatory cells [J]. ACS chemical biology, 2012, 7(9): 1515-1519.

Jetten A M, Ueda E. The ROR nuclear orphan receptor subfamily: critical regulators of multiple biological processes [J]. Progress in nucleic acid research and molecular biology, 2001, 69: 205-247.

Ivanov I I, McKenzie B S, Zhou L, et al. The orphan nuclear receptor ROR γ t directs the differentiation program of proinflammatory IL-17+ T helper cells[J]. Cell, 2006, 126(6): 1121-1133.

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