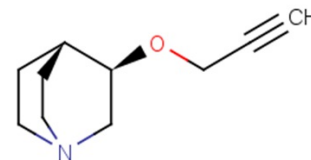


Talsaclidine

Chemical Properties

CAS No.:	147025-53-4
Formula:	C ₁₀ H ₁₅ NO
Molecular Weight:	165.23
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Talsaclidine is an agonist of muscarinic with preferential neuron-stimulating properties. Talsaclidine is a full agonist at the M1 subtype, and as a partial agonist at the M2 and M3 subtypes.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.052 mL	30.261 mL	60.522 mL
5 mM	1.21 mL	6.052 mL	12.104 mL
10 mM	0.605 mL	3.026 mL	6.052 mL
50 mM	0.121 mL	0.605 mL	1.21 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Ensinger HA, et al. WAL 2014--a muscarinic agonist with preferential neuron-stimulating properties. Life Sci. 1993;52(5-6):473-80.
2. Wienrich M, et al. Pharmacodynamic profile of the M1 agonist talsaclidine in animals and man. Life Sci. 2001 Apr 27;68(22-23):2593-600.
3. Walland A, et al. In vivo consequences of M1-receptor activation by talsaclidine. Life Sci. 1997;60(13-14):977-84.
4. Walland A, et al. Compensation of muscarinic bronchial effects of talsaclidine by concomitant sympathetic activation in guinea pigs. Eur J Pharmacol. 1997 Jul 9;330(2-3):213-9.

Inhibitors · Natural Compounds · Compound Libraries

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