
Product Data Sheet

Product Name: Talsaclidine

Cat. No.: GC37731

Chemical Properties

Cas. No. 147025-53-4

SMILES C#CCO[C@@H]1[C@@H]2CCN(CC2)C1Formula C₁₀H₁₅NO

M.Wt 165.23

Solubility DMSO : 5 mg/mL (30.26 mM; Need ultrasonic)

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**

Talsaclidine is a muscarinic agonist 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[1][2][3][4].

[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.

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

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