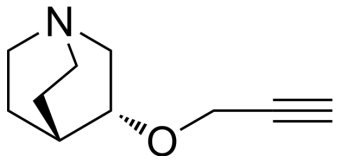
Talsaclidine

Cat. No.:	HY-128855
CAS No.:	147025-53-4
Molecular Formula:	$C_{10}H_{15}NO$
Molecular Weight:	165.23
Target:	mAChR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Pure form -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



BIOLOGICAL ACTIVITY

Description	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]. Talsaclidine is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.	
IC_{50} & Target	mAChR2	mAChR3

REFERENCES

[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.

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