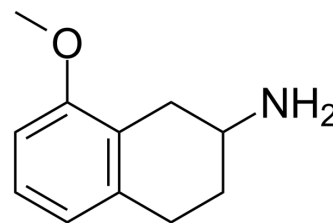


5-HT_{1A} modulator 2 hydrochloride

Cat. No.:	HY-136621
CAS No.:	3880-76-0
Molecular Formula:	C ₁₁ H ₁₆ ClNO
Molecular Weight:	213.7
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



H-Cl

SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (467.95 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	4.6795 mL	23.3973 mL	46.7946 mL
		5 mM	0.9359 mL	4.6795 mL	9.3589 mL
	10 mM	0.4679 mL	2.3397 mL	4.6795 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (11.70 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.70 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	5-HT _{1A} modulator 2 hydrochloride, a derivative of 8-OH-DPAT (HY-112061), is a modulator of 5-HT _{1A} with a K _i of 53 nM for 5-HT _{1A} binding ^[1] .
IC₅₀ & Target	Ki: 53 nM (5-HT _{1A}) ^[1]
In Vitro	5-HT _{1A} modulator 2 hydrochloride (compound 3) binds to 5-HT _{1A} with a K _i of 53 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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