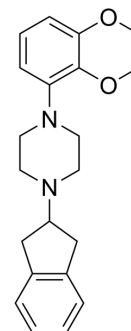


S-15535

Cat. No.:	HY-116076		
CAS No.:	146998-34-7		
Molecular Formula:	C ₂₁ H ₂₄ N ₂ O ₂		
Molecular Weight:	336.43		
Target:	5-HT Receptor		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (297.24 mM; ultrasonic and warming and heat to 80°C)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.9724 mL	14.8619 mL	29.7239 mL
	5 mM	0.5945 mL	2.9724 mL	5.9448 mL
	10 mM	0.2972 mL	1.4862 mL	2.9724 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 5 mg/mL (14.86 mM); Clear solution; Need ultrasonic and warming and heat to 80°C			

BIOLOGICAL ACTIVITY

Description	S-15535 is a highly selective 5-HT _{1A} receptor ligand. S-15535 is an antagonist of postsynaptic 5-HT _{1A} receptors and an agonist of presynaptic 5-HT _{1A} receptors. S-15535 can be used in research on psychiatric disorders, such as anti-anxiety ^[1] .
IC₅₀ & Target	5-HT _{1A} receptor ^[1] .

REFERENCES

[1]. Millan MJ, et al. S 15535: a highly selective benzodioxopiperazine 5-HT_{1A} receptor ligand which acts as an agonist and an antagonist at presynaptic and postsynaptic sites respectively. Eur J Pharmacol. 1993 Jan 5;230(1):99-102.

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

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