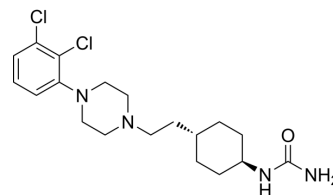


Didesmethyl cariprazine

Cat. No.:	HY-100658	
CAS No.:	839712-25-3	
Molecular Formula:	C ₁₉ H ₂₈ Cl ₂ N ₄ O	
Molecular Weight:	399.36	
Target:	Dopamine Receptor; 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 : 11.36 mg/mL (28.45 mM; ultrasonic and warming and heat to 80°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5040 mL	12.5200 mL	25.0401 mL
5 mM	0.5008 mL	2.5040 mL	5.0080 mL
10 mM	0.2504 mL	1.2520 mL	2.5040 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Didesmethyl cariprazine is a metabolite of Cariprazine and acts as the predominant circulating active moiety. Didesmethyl cariprazine has a long half-life of 1-3 weeks. Cariprazine is an antipsychotic agent candidate that exhibits high affinity for the D₃ and D₂ receptors, and moderate affinity for the 5-HT_{1A} receptor^[1].

IC₅₀ & Target

5-HT _{1A} Receptor	D ₃ Receptor	D ₂ Receptor
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REFERENCES

[1]. Citrome L, et al. Cariprazine for acute and maintenance treatment of adults with schizophrenia: an evidence-based review and place in therapy. *Neuropsychiatr Dis Treat.* 2018 Oct 5;14:2563-2577.

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

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