



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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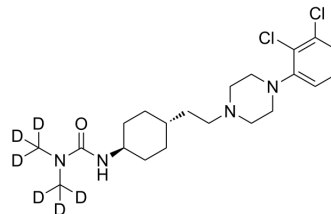
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Cariprazine-d₆

Cat. No.:	HY-14763S		
CAS No.:	1308278-67-2		
Molecular Formula:	C ₂₁ H ₂₆ D ₆ Cl ₂ N ₄ O		
Molecular Weight:	433.45		
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 : 33.33 mg/mL (76.89 mM; ultrasonic and warming and heat to 160°C)

DMSO : 2 mg/mL (4.61 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.3071 mL	11.5354 mL	23.0707 mL
	5 mM	0.4614 mL	2.3071 mL	4.6141 mL
	10 mM	0.2307 mL	1.1535 mL	2.3071 mL

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

BIOLOGICAL ACTIVITY

Description

Cariprazine-d₆ is a deuterium labeled Cariprazine. Cariprazine Cariprazine is an antipsychotic agent that exhibits high affinity for the D3 (Ki of 0.085 nM) and D2 (Ki of 0.49 nM) receptors, and moderate affinity for the 5-HT_{1A} receptor (Ki of 2.6 nM)[1].

IC₅₀ & Target

Dopamine D2 Receptor 0.49 nM (Ki)	Dopamine D3 Receptor 0.085 nM (Ki)	5-HT _{1A} Receptor 2.6 nM (Ki)
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REFERENCES

[1]. Seneca N, et al. Occupancy of dopamine D2 and D3 and serotonin 5-HT_{1A} receptors by the novel antipsychotic drug candidate, cariprazine (RGH-188), in monkey brain measured using positron emission tomography. *Psychopharmacology (Berl)*. 2011 Dec;218(3):579-8

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

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