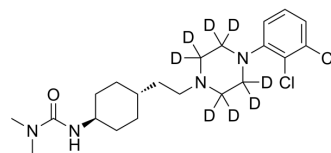


Cariprazine-d₈

Cat. No.:	HY-14763S1
CAS No.:	1308278-50-3
Molecular Formula:	C ₂₁ H ₂₄ D ₈ Cl ₂ N ₄ O
Molecular Weight:	435.46
Target:	Dopamine Receptor; 5-HT Receptor; Isotope-Labeled Compounds
Pathway:	GPCR/G Protein; Neuronal Signaling; Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



BIOLOGICAL ACTIVITY

Description	Cariprazine-d ₈ is a deuterium labeled Cariprazine. Cariprazine is a novel antipsychotic agent candidate that exhibits high affinity for the D ₃ (K _i =0.085 nM) and D ₂ (K _i =0.49 nM) receptors, and moderate affinity for the 5-HT _{1A} receptor (K _i =2.6 nM).
IC ₅₀ & Target	D ₃ Receptor

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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA