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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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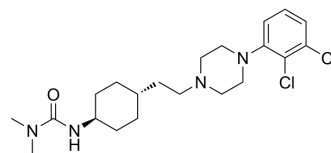
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Cariprazine (Standard)

Cat. No.:	HY-14763R
CAS No.:	839712-12-8
Molecular Formula:	C ₂₁ H ₃₂ Cl ₂ N ₄ O
Molecular Weight:	427.41
Target:	Dopamine Receptor; 5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cariprazine (Standard) is the analytical standard of Cariprazine. This product is intended for research and analytical applications. 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	Ki: 0.49 nM (D2 receptor), 0.085 nM (D3 receptor), 2.6 nM (5-HT1A receptor) ^[1]

REFERENCES

- [1]. Seneca N, et al. Occupancy of dopamine D2 and D3 and serotonin 5-HT1A 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
- [2]. Kiss B, et al. Cariprazine (RGH-188), a dopamine D(3) receptor-preferring, D(3)/D(2) dopamine receptor antagonist-partial agonist antipsychotic candidate: in vitro and neurochemical profile. *J Pharmacol Exp Ther*. 2010 Apr;333(1):328-40.
- [3]. Zimnisky R, et al. Cariprazine, a dopamine D(3)-receptor-preferring partial agonist, blocks phencyclidine-induced impairments of working memory, attention set-shifting, and recognition memory in the mouse. *Psychopharmacology (Berl)*. 2013 Mar;226(1):91-100
- [4]. Gao Y, et al. Cariprazine exerts antimanic properties and interferes with dopamine D2 receptor β-arrestin interactions. *Pharmacol Res Perspect*. 2015 Feb;3(1):e00073.

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

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