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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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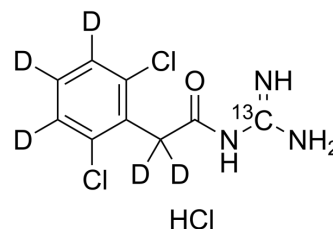
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Guanfacine-¹³C,₅D hydrochloride

Cat. No.:	HY-17416S2
Molecular Formula:	C ₈ ¹³ CH ₅ D ₅ Cl ₃ N ₃ O
Molecular Weight:	288.58
Target:	Adrenergic Receptor; Isotope-Labeled Compounds
Pathway:	GPCR/G Protein; Neuronal Signaling; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Guanfacine-¹³C,₅D hydrochloride is the deuterium and ¹³C labeled Guanfacine hydrochloride (HY-17416). Guanfacine hydrochloride is an orally active noradrenergic α₂A agonist and has high selective for the α₂A receptor subtype. Guanfacine has effects in producing hypotension and sedation. Guanfacine can be used for the research of a variety of prefrontal cortex (PFC) cognitive disorders, including tourette's syndrome and attention deficit hyperactivity disorder (ADHD)^{[1][2][3]}.

REFERENCES

- [1]. Arnsten AF, et al. Guanfacine for the treatment of cognitive disorders: a century of discoveries at Yale. *Yale J Biol Med*. 2012 Mar;85(1):45-58. Epub 2012 Mar 29.
- [2]. Van Zwieten PA, et al. The pharmacology of centrally acting antihypertensive drugs. *Br J Clin Pharmacol*. 1983;15(Suppl 4):455S-462S.
- [3]. Wang M, et al. Alpha₂A-adrenoceptors strengthen working memory networks by inhibiting cAMP-HCN channel signaling in prefrontal cortex. *Cell*. 2007 Apr 20;129(2):397-410.

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

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