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Produktinformation



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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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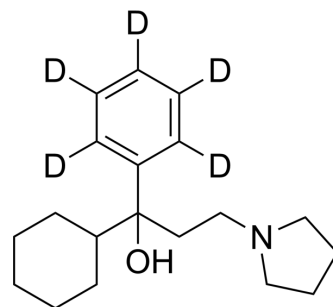
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Procyclidine-d₅

Cat. No.:	HY-B1487S1
Molecular Formula:	C ₁₉ H ₂₄ D ₅ NO
Molecular Weight:	292.47
Target:	Isotope-Labeled Compounds; iGluR; mAChR
Pathway:	Others; Membrane Transporter/Ion Channel; Neuronal Signaling; GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Procyclidine-d₅ (Tricyclamol-d₅) is deuterium labeled Procyclidine (hydrochloride). Procyclidine (Tricyclamol, (±)-Procyclidine) hydrochloride, an anticholinergic agent, is a muscarinic receptor antagonist that also has the properties of an N-methyl-D-aspartate (NMDA) antagonist. Procyclidine hydrochloride can be used in studies of Parkinson's disease and related psychiatric disorders such as Soman-induced epilepsy^{[1][2][3]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Yun-Bae Kim, et al. Effects of combinational prophylactics composed of physostigmine and procyclidine on soman-induced lethality, seizures and brain injuries. *Environ Toxicol Pharmacol*. 2002 Jan;11(1):15-21.
- [3]. Ulrich Ettinger, et al. Effects of procyclidine on eye movements in schizophrenia. *Neuropsychopharmacology*. 2003 Dec;28(12):2199-208.

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

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