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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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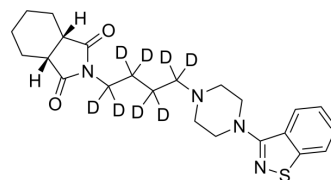
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Perospirone-d₈

Cat. No.:	HY-B0731AS
Molecular Formula:	C ₂₃ H ₂₂ D ₈ N ₄ O ₂ S
Molecular Weight:	434.62
Target:	Isotope-Labeled Compounds; 5-HT Receptor; Dopamine Receptor
Pathway:	Others; GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Perospirone-d₈ (SM-9018-d₈ (free base)) is deuterium labeled Perospirone. Perospirone (SM-9018 free base) is an orally active antagonist of 5-HT_{2A} receptor ($K_i=0.6$ nM) and dopamine D₂ receptor ($K_i=1.4$ nM), and also a partial agonist of 5-HT_{1A} receptor ($K_i=2.9$ nM). Perospirone is an atypical antipsychotic agent and has the potential for schizophrenic disease research [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]. Kato T, et al. Binding profile of SM-9018, a novel antipsychotic candidate. *pn J Pharmacol*. 1990 Dec;54(4):478-81.
- [3]. Hagiwara H, et al. Phencyclidine-induced cognitive deficits in mice are improved by subsequent subchronic administration of the antipsychotic drug perospirone: role of serotonin 5-HT_{1A} receptors. *Eur Neuropsychopharmacol*. 2008 Jun;18(6):448-54.

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

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