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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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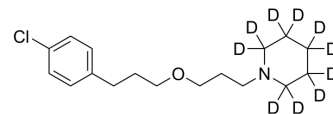
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Pitolisant-d₁₀

Cat. No.:	HY-12199S
Molecular Formula:	C ₁₇ H ₁₆ D ₁₀ ClNO
Molecular Weight:	305.91
Target:	Isotope-Labeled Compounds; Histamine Receptor
Pathway:	Others; GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Pitolisant-d₁₀ (Tiprolisant-d₁₀) is deuterium labeled Pitolisant. Pitolisant is a potent and selective nonimidazole inverse agonist at the recombinant human histamine H₃ receptor ($K_i=0.16$ nM)^[1].

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Uguen M, et al. Preclinical evaluation of the abuse potential of Pitolisant, a histamine H₃ receptor inverse agonist/antagonist compared with Modafinil. *Br J Pharmacol*. 2013 Jun;169(3):632-44.
- [3]. Dudek M, et al. H₃ histamine receptor antagonist pitolisant reverses some subchronic disturbances induced by olanzapine in mice. *Metab Brain Dis*. 2016 Oct;31(5):1023-9.
- [4]. Ligneau X, et al. BF2.649 [1-[3-[3-(4-Chlorophenyl)propoxy]propyl]piperidine, hydrochloride], a nonimidazole inverse agonist/antagonist at the human histamine H₃ receptor: Preclinical pharmacology. *J Pharmacol Exp Ther*. 2007 Jan;320(1):365-75.

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

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