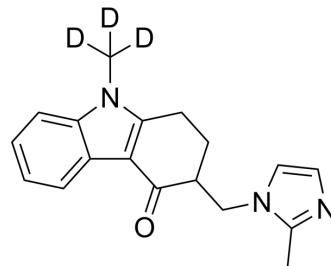


Ondansetron-d3

Cat. No.:	HY-B0002BS1
CAS No.:	1132757-82-4
Molecular Formula:	C ₁₈ H ₁₆ D ₃ N ₃ O
Molecular Weight:	296.38
Target:	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	Ondansetron-d ₃ is the deuterium labeled Ondansetron[1]. Ondansetron(GR 38032;SN 307) is a serotonin 5-HT ₃ receptor antagonist used mainly as an antiemetic (to treat nausea and vomiting), often following chemotherapy[2].
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Brown AM, et al. Ion permeation and conduction in a human recombinant 5-HT₃ receptor subunit (h5-HT_{3A}). *J Physiol*. 1998 Mar 15;507 (Pt 3):653-65.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA