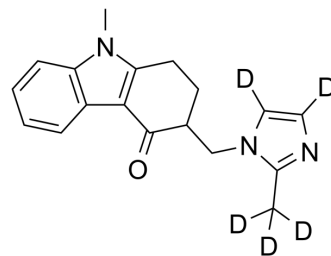


Ondansetron-d₅

Cat. No.:	HY-B0002BS		
CAS No.:	1219798-86-3		
Molecular Formula:	C ₁₈ H ₁₄ D ₅ N ₃ O		
Molecular Weight:	298.39		
Target:	5-HT Receptor		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (33.51 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3513 mL	16.7566 mL	33.5132 mL
	5 mM	0.6703 mL	3.3513 mL	6.7026 mL
	10 mM	0.3351 mL	1.6757 mL	3.3513 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Ondansetron-d₅ is the deuterium labeled Ondansetron. Ondansetron (GR 38032; SN 307) is a serotonin 5-HT₃ receptor antagonist used mainly as an antiemetic (to treat nausea and vomiting), often following chemotherapy.

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

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

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