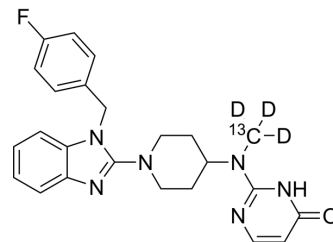


Mizolastine-¹³C,₃D₃

Cat. No.:	HY-B0164S
Molecular Formula:	C ₂₃ ¹³ CH ₂₂ D ₃ FN ₆ O
Molecular Weight:	436.5
Target:	Histamine Receptor; Isotope-Labeled Compounds
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Mizolastine- ¹³ C, ₃ D ₃ is the ¹³ C- and deuterium labeled Mizolastine.
IC₅₀ & Target	H ₁ Receptor
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 ^[81] . 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;53(2):211-223.
- [2]. Prakash A, et al. Mizolastine: a review of its use in allergic rhinitis and chronic idiopathic urticaria. *BioDrugs.* 1998 Jul;10(1):41-63.

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

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