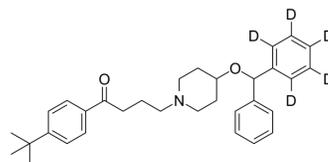


## Ebastine-d5

Cat. No.:	HY-B0674S
CAS No.:	1216953-13-7
Molecular Formula:	C <sub>32</sub> H <sub>34</sub> D <sub>5</sub> NO <sub>2</sub>
Molecular Weight:	474.69
Target:	Histamine Receptor
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Ebastine-d5 (LAS-W 090-d5) is the deuterium labeled Ebastine. Ebastine (LAS-W 090) is an orally active, second-generation histamine H1 receptor antagonist. Ebastine can be used for the symptoms of allergic rhinitis and chronic idiopathic urticaria research <sup>[1][2]</sup> .
<b>In Vitro</b>	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 <sup>[1]</sup> . 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):211-216.
- [2]. J Sastre. Ebastine in allergic rhinitis and chronic idiopathic urticarial. *Allergy.* 2008 Dec;63 Suppl 89:1-20.
- [3]. Fu-Ming Tsai, et al. Extracellular Signal-Regulated Kinase Mediates Ebastine-Induced Human Follicle Dermal Papilla Cell Proliferation. *Biomed Res Int.* 2019 Feb 11;2019:6360503.
- [4]. Fujii, et al. Absorption, distribution, metabolism and excretion of [<sup>14</sup>C]ebastine after a single administration in rats. *Arzneimittelforschung.* 1994 Apr;44(4):527-38.

**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