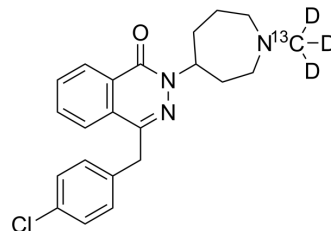


## Azelastine-<sup>13</sup>C,<sub>3</sub>D<sub>3</sub>

<b>Cat. No.:</b>	HY-B0462AS
<b>Molecular Formula:</b>	C <sub>21</sub> <sup>13</sup> CH <sub>21</sub> D <sub>3</sub> ClN <sub>3</sub> O
<b>Molecular Weight:</b>	385.91
<b>Target:</b>	Histamine Receptor; SARS-CoV; Isotope-Labeled Compounds
<b>Pathway:</b>	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling; Anti-infection; Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Azelastine- <sup>13</sup> C, <sub>3</sub> D <sub>3</sub> is deuterium labeled Azelastine. Azelastine, an antihistamine, is a potent and selective histamine 1 (H1) antagonist. Azelastine can be used for the research of allergic rhinitis, asthma, diabetic hyperlipidemic and SARS-CoV-2[1][2][3][4].
<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

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- [3]. Craig La Force. Review of the pharmacology, clinical efficacy, and safety of azelastine hydrochloridel. *Expert Rev Clin Immunol.* 2005 Jul;1(2):191-201.
- [4]. Li Yang, et al. Identification of SARS-CoV-2 entry inhibitors among already approved drugs. *Acta Pharmacol Sin.* 2020 Oct 28 : 1-7.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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