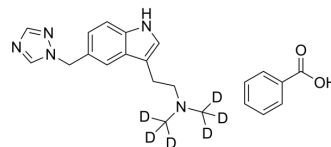


## Rizatriptan-d6 benzoate

Cat. No.:	HY-B0206S
CAS No.:	1216984-85-8
Molecular Formula:	C <sub>22</sub> H <sub>19</sub> D <sub>6</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	397.5
Target:	5-HT Receptor; Isotope-Labeled Compounds
Pathway:	GPCR/G Protein; Neuronal Signaling; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Rizatriptan-d <sub>6</sub> (benzoate) is the deuterium labeled Rizatriptan benzoate. Rizatriptan benzoate is a 5-HT <sub>1</sub> agonist triptan agent for the treatment of migraine headaches[1][2].
<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]. Sciberras DG, et al. Initial human experience with MK-462 (rizatriptan): a novel 5-HT<sub>1D</sub> agonist. *Br J Clin Pharmacol*. 1997 Jan;43(1):49-54.

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

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