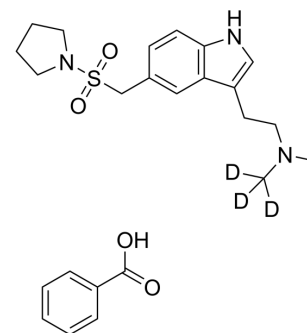


## Almotriptan-d<sub>3</sub> benzoate

Cat. No.:	HY-B0383AS2
Molecular Formula:	C <sub>24</sub> H <sub>28</sub> D <sub>3</sub> N <sub>3</sub> O <sub>4</sub> S
Molecular Weight:	460.6
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>	Almotriptan-d <sub>3</sub> benzoate is deuterated labeled Almotriptan (HY-B0383A). Almotriptan is a selective agonist of 5-HT 1B/1D Receptor. Almotriptan can be used in the study of migraine attacks <sup>[1]</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]. Bou J, et al. Pharmacological characterization of almotriptan: an indolic 5-HT receptor agonist for the treatment of migraine. *Eur J Pharmacol*, 2000. 410(1): p. 33-41.
- [2]. Gras J, et al. Safety profile of almotriptan, a new antimigraine agent. Effects on central nervous system, renal function and respiratory dynamics. *Arzneimittelforschung*, 2001. 51(9): p. 726-32.
- [3]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.

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

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