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Zuschläge

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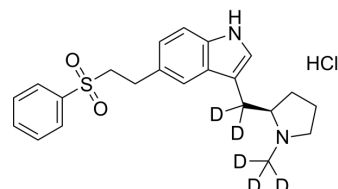
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Eletriptan-d₅ hydrochloride

Cat. No.:	HY-A0039S2
Molecular Formula:	C ₂₂ H ₂₂ D ₅ ClN ₂ O ₂ S
Molecular Weight:	424.01
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Eletriptan-d ₅ (hydrochloride) is the deuterium labeled Eletriptan hydrochloride[1]. Eletriptan (UK-116044) hydrochloride is a highly selective and orally active serotonin 5-HT _{1B} and 5-HT _{1D} receptor agonist, with pK _i values of 8.0 and 8.9, respectively. Eletriptan hydrochloride has inhibitory effects on markers of neurogenic inflammation in rats. Eletriptan hydrochloride can be used for researching migraine[2].
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 ^[1] . 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 Feb;53(2):211-216.
- [2]. McCormack PL, Keating GM. Eletriptan: a review of its use in the acute treatment of migraine. Drugs. 2006;66(8):1129-49.
- [3]. Willems E, et al. Porcine carotid vascular effects of eletriptan (UK-116,044): a new 5-HT_{1B/1D} receptor agonist with anti-migraine activity. Naunyn Schmiedebergs Arch Pharmacol. 1998 Aug;358(2):212-9.

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

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