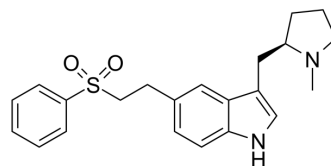


Eletriptan

Cat. No.:	HY-A0039
CAS No.:	143322-58-1
Molecular Formula:	C ₂₂ H ₂₆ N ₂ O ₂ S
Molecular Weight:	382.52
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 (UK-116044) 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 has inhibitory effects on markers of neurogenic inflammation in rats. Eletriptan can be used for researching migraine ^[1] .	
IC₅₀ & Target	5-HT _{1B} Receptor 8.0 (pKi)	5-HT _{1D} Receptor 8.9 (pKi)
In Vivo	Eletriptan (10, 30, 100, 300 and 1000 µg/kg; i.v.) reduces total carotid blood flow in anaesthetised pigs by selectively reducing carotid arteriovenous anastomotic blood flow and increasing nutrient blood flow within the carotid vascular bed ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

- [1]. McCormack PL, Keating GM. Eletriptan: a review of its use in the acute treatment of migraine. *Drugs*. 2006;66(8):1129-49.
- [2]. 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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