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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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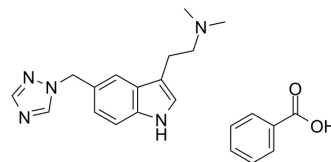
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Rizatriptan benzoate

Cat. No.:	HY-B0206
CAS No.:	145202-66-0
Molecular Formula:	C ₂₂ H ₂₅ N ₅ O ₂
Molecular Weight:	391.47
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (255.45 mM; Need ultrasonic) DMSO : 50 mg/mL (127.72 mM; Need ultrasonic)				
	Preparing Stock Solutions	Mass Solvent Concentration	1 mg	5 mg	10 mg
		1 mM	2.5545 mL	12.7724 mL	25.5447 mL
		5 mM	0.5109 mL	2.5545 mL	5.1089 mL
		10 mM	0.2554 mL	1.2772 mL	2.5545 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (127.72 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.39 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.39 mM); Clear solution				
	4. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.39 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Rizatriptan Benzoate(Maxalt) is a 5-HT₁ agonist triptan drug for the treatment of migraine headaches. Target: 5-HT₁ agonist Rizatriptan Benzoate(Maxalt) is a 5-HT₁ agonist triptan drug for the treatment of migraine headaches. It is believed to work by narrowing the blood vessels around the brain. Rizatriptan also reduces the substances in the body, which can also reduce headache pain, nausea, sensitivity to light and sound and other migraine symptoms. Rizatriptan was rapidly absorbed with a median t_{max} of 1.3 h (range 1-3 h) vs a t_{max} for sumatriptan of 2.5 h (range 1-4 h, P < 0.001). Administration of either rizatriptan or sumatriptan produced maximal mean elevations of 5-10 mmHg in systolic and diastolic blood pressures
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	without effect on heart rate; the changes occurred sooner following rizatriptan, consistent with more rapid absorption. Both rizatriptan and sumatriptan provoked mild increases in serum growth hormone without any effect on serum prolactin concentrations. The most commonly reported symptom following rizatriptan was drowsiness.
IC ₅₀ & Target	5-HT ₁ Receptor

REFERENCES

[1]. Sciberras DG, et al. Initial human experience with MK-462 (rizatriptan): a novel 5-HT_{1D} 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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