



Catalog # 10-2663

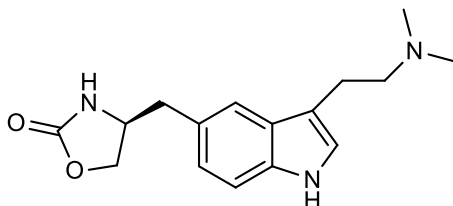
Zolmitriptan

CAS# 139264-17-8

(4S)-4-((3-(2-(Dimethylamino)ethyl)-1H-indol-5-yl)methyl)-2-oxazolidinone

BW 311C90

Lot # X107392



Potent and selective serotonin 5HT 1B/1D agonist ($K_i=0.63$ and 5.01 nM for 5HT 1D and 1B respectively.¹ Displays proven efficacy for the treatment of migraine.² Inhibits neurogenic inflammation and pain during electrical stimulation in human skin.³ Induces nerve growth, integration and function in transplanted heterologous organs in regenerative medicine.⁴

- 1) Pauwels *et al.* (1997), *How efficacious are 5-HTB/D receptor ligands: an answer from GTP gamma S binding studies with stably transfected C6-glia cell lines*; Pharmacol., **36** 499
- 2) Martin *et al.* (1997), *Receptor specificity and trigemino-vascular inhibitor actions of a novel 5HT1B/1D receptor partial agonist, 311C90 (zolmitriptan)*; Br. J. Pharmacol., **121** 157
- 3) Doring *et al.* (2015), *Zolmitriptan inhibits neurogenic inflammation and pain during electrical stimulation in human skin*; Eur. J. Pain, **19** 966
- 4) Blackiston *et al.* (2017), *Serotonergic stimulation induces nerve growth and promotes visual learning via posterior eye grafts in a vertebrate model of induced sensory plasticity*; Regenerative Med., **2** 8

PHYSICAL DATA

Molecular Weight:	287.36
Molecular Formula:	C ₁₆ H ₂₁ N ₃ O ₂
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml) or Ethanol (up to 25 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

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