

DATA SHEET

Product Name: Zolmitriptan

Catalog #: N-3033

Alt: CAS # 139264-17-8; (4S)-4-((3-(2-(Dimethylamino)ethyl)-1H-indol-5-yl)methyl)-2-oxazolidinone; BW 311C90

Molecular Mass: 287.4 C₁₆H₂₁N₃O₂

Analysis: >98% (HPLC); NMR (conforms)

Supplied As: White powder

Resuspension: May be dissolved in DMSO (25 mg/ml); or ethanol (25 mg/ml)

Storage: Store desiccated as supplied at 5°C for up to 2 years. Store solutions at -20°C for up to 1 month.

Description: Potent and selective serotonin 5HT_{1B/1D} agonist (K_i=0.63 and 5.01 nM for 5HT_{1D} and 1B respectively¹. Displays proven efficacy for the treatment of migraine². Inhibits neurogenic inflammation and pain during electrical stimulation in human skin³. Induces nerve growth, integration and function in transplanted heterologous organs in regenerative medicine⁴.

References:

1. Pauwels, P.J., et al., (1997) *Pharmacol.*, *36*: 499
2. Martin, G.R., et al., (1997) *Br. J. Pharmacol.*, *127*: 157
3. Doring, K., et al., (2015) *Eur. J. Pain*, *19*: 966
4. Blackiston, D.J., et al., (2017) *Regenerative Med.*, *4*: 8

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