LKT Laboratories, Inc.

Zolmitriptan

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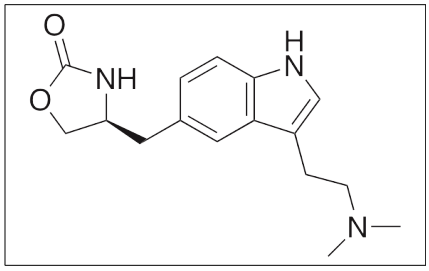
Product Information

Product ID Z5745
CAS No. 139264-17-8
Chemical Name (S)-4-({3-[2-(dimethylamino)ethyl]-1H-indol-5-yl}methyl)-1,3-oxazolidin-2-one
Synonym



Formula $C_{16}H_{21}N_3O_2$
Formula Wt. 287.36
Melting Point
Purity ≥99%
Solubility slightly soluble in water (1.3 mg/mL at 250°C) but shows greater solubility in 0.1M hydrochloric acid. Zolmitriptan has a pKa of 9.6.
Store Temp Ambient
Ship Temp Ambient

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
Z5745	25 mg	$67.40
Z5745	100 mg	$187.30
Z5745	250 mg	$337.30

Description Zolmitriptan is a synthetic tryptamine derivative that acts as an agonist at 5-HT1B/1D receptors, binding primarily in the ventral palladium, external globus pallidus, substantia nigra, visual cortex, and nucleus accumbens. This compound displays anti-inflammatory, anti-migraine, and neuroprotective activities. Zolmitriptan treats migraines, inhibiting dilation and inflammation of cranial vessels. This compound also alters NMDA receptor-evoked cGMP and NO signaling. In addition to its modulation of neurotransmitter levels, zolmitriptan inhibits action potential discharge of trigeminal neurons, suggesting antinociceptive activity as well. TEST!!!!!!

References

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Stepień A, Chalimoniuk M, Strosznajder J. Serotonin 5HT1B/1D receptor agonists abolish NMDA receptor-evoked enhancement of nitric oxide synthase activity and cGMP concentration in brain cortex slices. Cephalalgia. 1999 Dec;19(10):859-65. PMID: 10668104.

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