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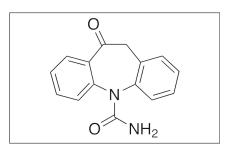
Product Information

Product ID 09210 CAS No. 28721-07-5

Chemical Name 10,11-Dihydro-10-oxo-5H-dibenz[b,f]azepine-5- carboxamide

Synonym Trileptal

Formula C₁₅H₁₂N₂O₂ Formula Wt. 252.27 Melting Point 215-216°C Purity ≥98% Solubility Soluble in DMSO (9mg/mL).



Bulk quanitites available upon request

Product ID	Size
O9210	1 g
O9210	5 g
O9210	25 g

Store Temp Ambient

Ship Temp Ambient

Description Oxcarbazepine (OX) is an antiepileptic/anticonvulsant commonly used to treat epilepsy, but also exhibits activity as a treatment for mood disorders and neuropathic pain as well. Administration of oxcarbazepine leads to a reversible reduction in current amplitude from voltage-gated Na+ channels and may suppress current amplitude of delayed rectifying K+ channels; this reduces the amplitude of action potentials and prolongs their duration. This compound also inhibits Na+ channel-dependent Glu release and produces a moderate open channel block on nicotinic acetylcholine receptors (nAChRs), preventing deactivation. Interestingly, oxcarbazepine may have potential as a treatment for substance abuse disorders, as it is moderately effective as a relapse prevention treatment in a clinical trial of recently abstinent alcohol-dependent subjects.

References Di Resta C, Ambrosi P, Curia G, et al. Effect of carbamazepine and oxcarbazepine on wild-type and mutant neuronal nicotinic acetylcholine receptors linked to nocturnal frontal lobe epilepsy. Eur J Pharmacol. 2010 Sep 15;643(1):13-20. PMID: 20561518.

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Caution: This product is intended for laboratory and research use only. It is not for human or drug use.