



LKT Laboratories, Inc.

VX-765

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Product Information

Product ID V9228

CAS No. 273404-37-8

Chemical Name

Synonym VX765, Belnacasan

Formula $C_{24}H_{33}ClN_4O_6$

Formula Wt. 509.00

Melting Point

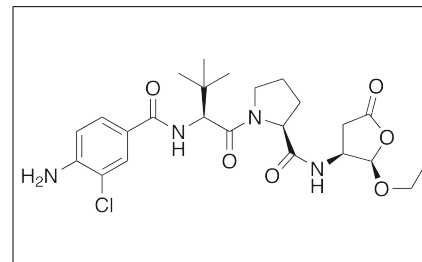
Purity $\geq 98\%$

Solubility DMSO 100 mg/mL
warmed (196.46 mM)
Ethanol 100 mg/mL
warmed (196.46 mM)
Water Insoluble

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description VX-765 is an inhibitor of NLRP3 inflammasome activity; it inhibits caspase 1 and IL-1 β cleavage and release. VX-765 exhibits anti-inflammatory, antidepressant, and antiepileptic activities. In vivo, this compound decreases IL-1 β levels and attenuates stress-induced depression-like behaviors. In animal models of status epilepticus, VX-765 decreases cell loss. In other similar animal models, this compound decreases chronic epileptic activity and delays onset of acute seizures.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
V9228	1 mg	\$108.00
V9228	5 mg	\$179.80
V9228	10 mg	\$278.70

References Zhang Y, Liu L, Liu YZ, et al. NLRP3 Inflammasome Mediates Chronic Mild Stress-induced Depression in Mice via Neuroinflammation. *Int J Neuropsychopharmacol*. 2015 Jan 20. [Epub ahead of print]. PMID: 25603858.

Kaminski RM, Rogawski MA, Klitgaard H. The potential of antiseizure drugs and agents that act on novel molecular targets as antiepileptogenic treatments. *Neurotherapeutics*. 2014 Apr;11(2):385-400. PMID: 24671870.

Noe FM, Polascheck N, Frigerio F, et al. Pharmacological blockade of IL-1 β /IL-1 receptor type 1 axis during epileptogenesis provides neuroprotection in two rat models of temporal lobe epilepsy. *Neurobiol Dis*. 2013 Nov;59:183-93. PMID: 23938763.

Maroso M, Balosso S, Ravizza T, et al. Interleukin-1 β biosynthesis inhibition reduces acute seizures and drug resistant chronic epileptic activity in mice. *Neurotherapeutics*. 2011 Apr;8(2):304-15. PMID: 21431948.

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