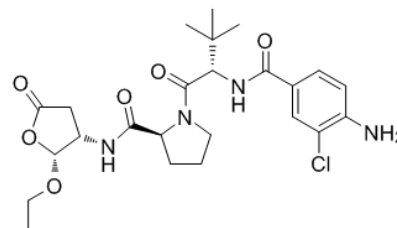


Product Name : VX-765
Cat. No. : PC-43391
CAS No. : 273404-37-8
Molecular Formula : C₂₄H₃₃ClN₄O₆
Molecular Weight : 508.995
Target : Caspase
Solubility : DMSO: ≥ 27 mg/mL



Biological Activity

VX-765 (Belnacasan) is an orally absorbed prodrug of VRT-043198, which is a potent and selective inhibitor of interleukin-converting enzyme/caspase-1 with K_i of 0.8 nM; VRT-043198 exhibits 100- to 10,000-fold selectivity against other caspase-3 and -6 to -9, VX-765 is converted rapidly to VRT-043198 under the action of plasma and liver esterases; inhibits LPS-induced IL-1 β production, reduces disease severity and the expression of inflammatory mediators in models of rheumatoid arthritis and skin inflammation.

Epilepsy

Phase 2 Discontinued

References

Stack JH, et al. J Immunol. 2005 Aug 15;175(4):2630-4.

Wannamaker W, et al. J Pharmacol Exp Ther. 2007 May;321(2):509-16.

Bialer M, et al. Epilepsy Res. 2013 Jan;103(1):2-30.

Wang W, et al. Proc Natl Acad Sci U S A. 2016 Aug 23;113(34):9587-92.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com