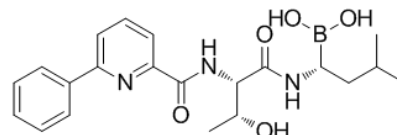


Product Name : Delanzomib
Cat. No. : PC-42597
CAS No. : 847499-27-8
Molecular Formula : C₂₁H₂₈BN₃O₅
Molecular Weight : 413.2751
Target : Proteasome
Solubility : 10 mM in DMSO



Biological Activity

Delanzomib (CEP18770) is a potent, orally active **proteasome** inhibitor with IC₅₀ of 3.8 nM against chymotrypsin-like proteasome activity.

Delanzomib demonstrates marginal inhibition of the tryptic and peptidyl glutamyl activities of the proteasome.

Delanzomib down-modulates the NF-kappaB activity and the expression of several NF-kappaB downstream effectors, induces apoptotic cell death in MM cells.

Delanzomib demonstrates tumor regression in MM xenografts with favorable tumor selectivity profile.

References

- Piva R, et al. **Blood**. 2008 Mar 1;111(5):2765-75.
Sanchez E, et al. **Br J Haematol**. 2010 Feb;148(4):569-81.
Seavey MM, et al. **Int Immunopharmacol**. 2012 Jan;12(1):257-70.
Berkers CR, et al. **Mol Pharm**. 2012 May 7;9(5):1126-35.

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

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