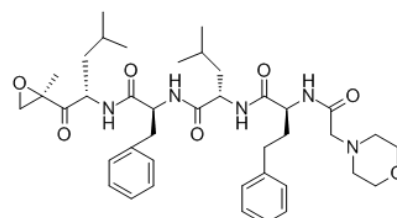


Product Name : Carfilzomib
Cat. No. : PC-42598
CAS No. : 868540-17-4
Molecular Formula : C₄₀H₅₇N₅O₇
Molecular Weight : 719.9099
Target : Proteasome
Solubility : 10 mM in DMSO
4. Demo SD, et al. Cancer Res. 2007 Jul 1;67(13):6383-91.



Biological Activity

A potent, highly selective inhibitor chymotrypsin-like activity of proteasome with IC₅₀ of 6 nM; weakly inhibits caspase-like and trypsin-like activities in cellular assays (IC₅₀150-200 nM), also inhibits the chymotrypsin-like activity of the immunoproteasome (IC₅₀=33 nM); accumulates proteasome substrates and induces cell cycle arrest and/or apoptosis; shows antitumor efficacy in vivo.

Blood Cancer
Approved

References

- Kuhn DJ, et al. Blood. 2007 Nov 1;110(9):3281-90.
Parlati F, et al. Blood. 2009 Oct 15;114(16):3439-47.
O'Connor OA, et al. Clin Cancer Res. 2009 Nov 15;15(22):7085-91.

