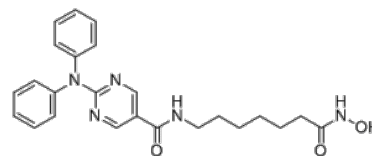


Product Name : Rocilinostat
Cat. No. : PC-73193
CAS No. : 1316214-52-4
Molecular Formula : C₂₄H₂₇N₅O₃
Molecular Weight : 433.5
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

Rocilinostat (ACY-1215) is a potent and selective **HDAC6** inhibitor with IC₅₀ of 5 nM.

Rocilinostat (ACY-1215) displays 10-12 fold less active against HDAC1, HDAC2, and HDAC3 (class I HDACs), minimal activity (IC₅₀ > 1 μM) against HDAC4/5/7/9/11, Sirtuin1, and Sirtuin2, and has slight activity against HDAC8 (IC₅₀=0.1 μM). ACY-1215 induces dose-dependent cytotoxicity in MM cells (IC₅₀=2-8 μM), induces synergistic anti-MM activity in combination with bortezomib.

ACY-1215 in combination with bortezomib induces significant anti-MM activity in vivo.

References

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 Mishima Y, et al. *Br J Haematol*. 2015 May;169(3):423-34.
 Dasmahapatra G, et al. *Mol Cancer Ther*. 2014 Dec;13(12):2886-97.

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

E-mail: tech@probechem.com