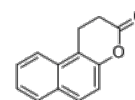


Product Name : Splitomicin
Cat. No. : PC-70234
CAS No. : 5690-03-9
Molecular Formula : C₁₃H₁₀O₂
Molecular Weight : 198.2
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

Splitomicin (1-Naphthalenepropanoic Acid) is a selective small molecule inhibitor of **Sir2p** histone deacetylase, displaying higher activity in vivo (minimal inhibitory concentration= 0.49 uM) than in vitro (IC₅₀=60 uM). Splitomicin less effectively inhibits yeast Hst1.

References

- Bedalov A, et al. *Proc Natl Acad Sci U S A*. 2001 Dec 18;98(26):15113-8.
Hirao M, et al. *J Biol Chem*. 2003 Dec 26;278(52):52773-82.
Liu FC, et al. *Eur J Pharmacol*. 2012 Aug 5;688(1-3):68-75.

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

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