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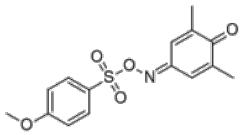
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	L-002
Cat. No.	:	PC-61762
CAS No.	:	321695-57-2
Molecular Formula	:	$C_{15}H_{15}NO_5S$
Molecular Weight	:	321.35
Target	:	Histone Acetyltransferase (HAT)
Solubility	:	10 mM in DMSO



Biological Activity

L-002 (NSC 764414, L002) is a novel potent, specific **acetyltransferase p300 (KAT3B)** inhibitor with IC50 of 1.98 uM.
L-002 also shows weak inhibitory activity against PCAF (KAT2B) and GCN5 (KAT2A) with IC50 of 34.7 and 33.9 uM, displays no inhibition against Tip60, MYST2 and MYST4 (IC50>100 uM), as well as a panel of HDACs and HMTs.
L-002 inhibits acetylation of histones and p53, and suppresses STAT3 activation in cell-based assays.
L-002 exhibits extreme sensitivity against leukemia, breas and lymphoma cell lines; potently suppresses tumor growth and histone acetylation of MDA-MB-468 xenografts.

References

Rai R, et al. ***Epigenetics.*** 2017;12(11):1004-1013.

Yang H, et al. ***Mol Cancer Ther.*** 2013 May;12(5):610-20.

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