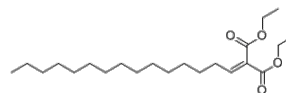


Product Name : SPV 106
Synonyms : Pentadecyldenemalonate 1b
Cat No. : M10183
CAS Number : 1036939-38-4
Molecular Formula : C₁₈H₃₀O₄
Formula Weight : 310.44
Chemical Name : Pentadecyldenemalonate 1b



Description : SPV 106 is the first mixed activator/inhibitor of Histone acetyltransferases (HATs), potentiates p300/CBP-associated factor (PCAF) HAT activity while inhibiting those of p300/CBP and recombinant CBP; significantly increases the H3 acetylation level in U937 cells, but no detectable effect on the acetylation level of the non-histone substrate α-tubulin; restores normal levels of H3K9Ac and H3K14Ac, reduces DNA CpG hypermethylation, and recovers D-CMSC proliferation and differentiation, enhances memory for fear extinction and prevents fear renewal in mice.

Pathway : Chromatin/Epigenetic

Target : HAT

Receptor : HAT

Solubility : —

SMILES : O=C([O-])/C(C([O-])=O)=C/CCCCCCCCCCCCCCC

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Sbardella G, et al. Bioorg Med Chem Lett. 2008 May 1;18(9):2788-92. | 2. Wei W, et al. J Neurosci. 2012 Aug 29;32(35):11930-41. | 3. Vecellio M, et al. Diabetes. 2014 Jun;63(6):2132-47. | 4. Castellano S, et al. ChemMedChem. 2015 Jan;10(1):144-57.