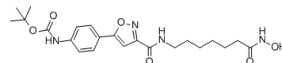


Product Name	: CAY-10603
Synonyms	: CAY10603
Cat No.	: M10225
CAS Number	: 1045792-66-2
Molecular Formula	: C ₂₂ H ₃₀ N ₄ O ₆
Formula Weight	: 446.50
Chemical Name	: Carbamic acid, N-[4-[3-[[[7-(hydroxyamino)-7-oxoheptyl]amino]carbonyl]-5-isoxazolyl]phenyl]-, 1,1-dimethylethyl ester
Description	: A highly potent and selective HDAC6 inhibitor with IC ₅₀ of 2 pM; 200-fold less potent for HDAC3 (IC ₅₀ =0.42 nM) and no inhibition on HDAC1/2/8/10 (IC ₅₀ > 100 nM); downregulates the levels of EGFR protein and synergizes with gefitinib to induce apoptosis of the lung adenocarcinoma cell lines.
Pathway	: Cell Cycle/DNA Damage
Target	: HDAC
Receptor	: HDAC1;HDAC6
Solubility	: 10 mM in DMSO
SMILES	: <chem>O=C(OC(C)(C)C)NC1=CC=C(C2=CC(C(NCCCCCCC(NO)=O)=O)=NO2)C=C1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Kozikowski AP, et al. J Med Chem. 2008 Aug 14;51(15):4370-3. 2. Wang Z, et al. Oncol Rep. 2016 Jul;36(1):589-97.