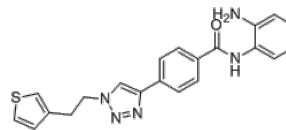


Product Name	: T247
Synonyms	: T 247;HDAC3 inhibitor T247
Cat No.	: M11944
CAS Number	: 1451042-18-4
Molecular Formula	: C ₂₁ H ₁₉ N ₅ O ₂ S
Formula Weight	: 389.48
Chemical Name	: N-(2-aminophenyl)-4-[1-(2-thiophen-3-ylethyl)-1H-[1,2,3]triazol-4-yl]benzamide



Description	: A potent and selective HDAC3 inhibitor with IC ₅₀ of 0.24 uM, >75-fold selectivity over HDAC1 and no activity against HDAC4/6/8; induces dose-dependent selective increase of NF-κB acetylation in human colon cancer HCT116 cells, induces growth inhibition of cancer cells, and activates HIV gene expression in latent HIV-infected cells; shows promising activity for anticancer and antiviral benefits; also decreases TMEM16A expression and functional activity in both prostatic cancer cell line PC-3 and the breast cancer cell line YMB-1.
Pathway	: Cell Cycle/DNA Damage
Target	: HDAC
Receptor	: HDAC
Solubility	: —
SMILES	: <chem>O=C(NC1=CC=CC=C1N)C2=CC=C(C3=CN(CCC4=CSC=C4)N=N3)C=C2</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Suzuki T, et al. PLoS One. 2013 Jul 16;8(7):e68669.| 2. Matsuba S, et al. J Pharmacol Exp Ther. 2014 Dec;351(3):510-8.| 3. Methot JL, et al. Bioorg Med Chem Lett. 2008 Feb 1;18(3):973-8.