

Product Name	: VBIT-4
Synonyms	: VBIT-4; VBIT 4; VBIT4
Cat No.	: M19386
CAS Number	: 2086257-77-2
Molecular Formula	: C ₂₁ H ₂₃ ClF ₃ N ₃ O ₃
Formula Weight	: 457.88
Chemical Name	: N-(4-chlorophenyl)-4-hydroxy-3-(4-(4-(trifluoromethoxy)phenyl)piperazin-1-yl)butanamide
Description	: VBIT-4 is an inhibitor of VDAC1 the outer mitochondrial membrane protein known as voltage-dependent anion channel 1. VBIT-4 inhibits VDAC1 oligomerization apoptosis and mitochondrial dysfunction.
Pathway	: Metabolic Enzyme/Protease
Target	: Other Targets
Receptor	: Kd: 17 μM (VDAC1)
Solubility	: DMSO : 125 mg/mL (273.00 mM; Need ultrasonic)
SMILES	: <chem>OCC(N1CCN(C2=CC=C(OC(F)(F)F)C=C2)CC1)CC(NC3=CC=C(Cl)C=C3)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1: Ben-Hail D et al. J Biol Chem. 2016 Nov 25;291(48):24986-25003. Epub 2016 Oct 13. PubMed PMID: 27738100; PubMed Central PMCID: PMC5122769.