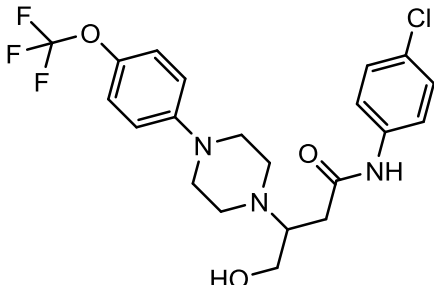


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
561045	VBIT-4	A9O09B10

Chemical name	
N-(4-chlorophenyl)-4-hydroxy-3-(4-(4-(trifluoromethoxy)phenyl)piperazin-1-yl)butanamide	
Synonyms	
VBIT-4; VBIT 4; VBIT4	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 561045 Name: VBIT-4 CAS#: 2086257-77-2 (racemate) Lot#: A9O09B10 Chemical Formula: C ₂₁ H ₂₃ ClF ₃ N ₃ O ₃ Exact Mass: 457.138 Molecular Weight: 457.88

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>98.0%
Solubility	Soluble in DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE