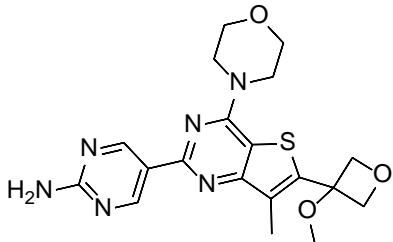


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
406637	GNE-317	B21B05C11

Chemical name	
5-(6-(3-methoxyoxetan-3-yl)-7-methyl-4-morpholinothieno[3,2-d]pyrimidin-2-yl)pyrimidin-2-amine	
Synonyms	
GNE317; GNE 317; GNE-317	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 406637 Name: GNE-317 CAS#: 1394076-92-6 Lot#: B21B05C11 Chemical Formula: C ₁₉ H ₂₂ N ₆ O ₃ S Exact Mass: 414.1474 Molecular Weight: 414.48

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 3 years if properly stored.

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