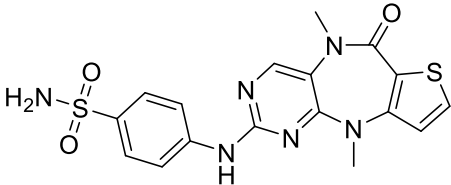


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
530548	XMU-MP-1	A7T12K08

Chemical name	
4-((5,10-dimethyl-6-oxo-6,10-dihydro-5H-pyrimido[5,4-b]thieno[3,2-e][1,4]diazepin-2-yl)amino)benzenesulfonamide	
Synonyms	
MU-MP-1; XMU-MP1; XMU-MP 1; XMUMP-1; XMUMP1; XMUMP 1.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 530548 Name: XMU-MP-1 CAS#: 2061980-01-4 Lot# A7T12K08 Chemical Formula: C ₁₇ H ₁₆ N ₆ O ₃ S ₂ Exact Mass: 416.0725 Molecular Weight: 416.47

Analysis item	Specifications / Results
Appearance	Light yellow to yellow 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