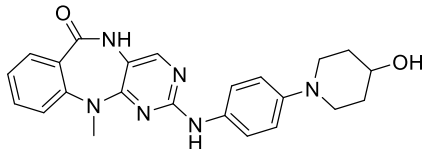




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
407372	XMD16-5	A23T02K10

Chemical name	
2-((4-(4-hydroxypiperidin-1-yl)phenyl)amino)-11-methyl-5,11-dihydro-6H-benzo[e]pyrimido[5,4-b][1,4]diazepin-6-one	
Synonyms	
XMD16-5; XMD-16-5; XMD 16-5; XMD165; XMD-165; XMD 165	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 407372 Name: XMD16-5 CAS#: 1345098-78-3 Lot#: A23T02K10 Chemical Formula: C ₂₃ H ₂₄ N ₆ O ₂ Exact Mass: 416.1961 Molecular Weight: 416.485

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)	>99.0%
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