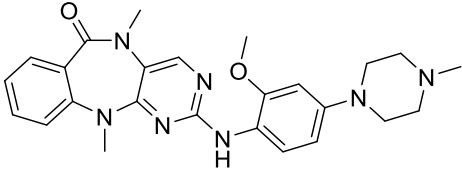


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
522466	XMD8-85	C20M06C27

Chemical name	
6H-Pyrimido[4,5-b][1,4]benzodiazepin-6-one, 5,11-dihydro-2-[[2-methoxy-4-(4-methyl-1-piperazinyl)phenyl]amino]-5,11-dimethyl-	
Synonyms	
ERK5-IN-1; ERK5 IN 1; ERK5IN1; XMD8-85; XMD 8-85; XMD-8-85; XMD885; XMD 885; XMD-885	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 522466 Name: XMD8-85 CAS#: 1234479-76-5 Lot#: C20M06C27 Chemical Formula: C ₂₅ H ₂₉ N ₇ O ₂ Exact Mass: 459.23827 Molecular Weight: 459.55

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