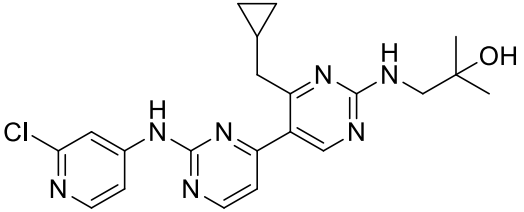




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#
406636	VPS34-IN1	BBC50428

Chemical name	
1-((2-((2-chloropyridin-4-yl)amino)-4'-(cyclopropylmethyl)-[4,5'-bipyrimidin]-2'-yl)amino)-2-methylpropan-2-ol	
Synonyms	
VPS34-IN1; VPS34 IN1; VPS34IN1.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 406636 Name: VPS34-IN1 CAS#: 1383716-33-3 Lot#: BBC50428 Chemical Formula: C ₂₁ H ₂₄ ClN ₇ O Exact Mass: 425.17309 Molecular Weight: 425.91

Analysis item	Specification/ Results
Appearance	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)	> 99%
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
Self life	At least 5 years if properly stored.

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