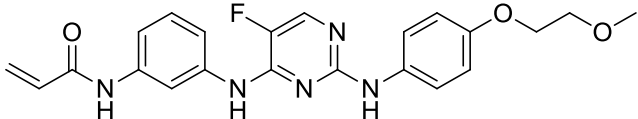




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#
204480	Spebrutinib(AVL-292)	BBC31129

Chemical name	
N-(3-((5-fluoro-2-((4-(2-methoxyethoxy)phenyl)amino)pyrimidin-4-yl)amino)phenyl)acrylamide	
Synonyms	
CC292; CC-292; CC 292; AVL292; AVL-292; AVL 292; Spebrutinib.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 204480 Name: Spebrutinib CAS#: 1202757-89-8 Lot#: BBC31129 Chemical Formula: C ₂₂ H ₂₂ FN ₅ O ₃ Exact Mass: 423.17067 Molecular Weight: 423.44

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)	> 97%
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 enough 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