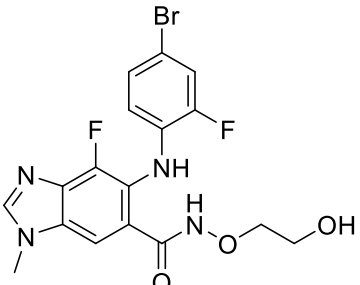




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#
205531	Binimetinib (MEK-162)	CRB50630

Chemical name	
5-((4-bromo-2-fluorophenyl)amino)-4-fluoro-N-(2-hydroxyethoxy)-1-methyl-1H-benzo[d]imidazole-6-carboxamide	
Synonyms	
MEK-162; MEK162; ARRY-162; ARRY162; ARRY 162; ARRY-438162	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 205531 Name: Binimetinib (MEK-162) CAS#: 606143-89-9 Lot#CRB50630 Chemical Formula: C ₁₇ H ₁₅ BrF ₂ N ₄ O ₃ Exact Mass: 440.02956 Molecular Weight: 441.22681

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; not soluble in water.
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