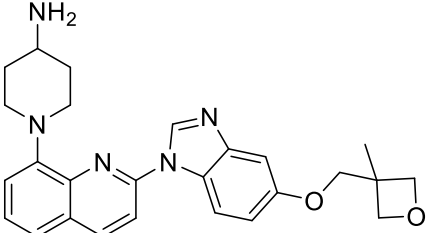




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
205020	Crenolanib	C21M07C15

Chemical name	
1-(2-(5-((3-methyloxetan-3-yl)methoxy)-1H-benzo[d]imidazol-1-yl)quinolin-8-yl)piperidin-4-amine	
Synonyms	
CP 868596; CP868596; CP-868596; ARO 002; RO-002; RO002; Crenolanib	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 205020 Name: Crenolanib CAS#: 670220-88-9 (free base) Lot#: C21M07C15 Chemical Formula: C ₂₆ H ₂₉ N ₅ O ₂ Exact Mass: 443.23213 Molecular Weight: 443.54

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)	>95.0%
Solubility	Soluble in DMF:PBS (1:1, pH 7.2), EtOH, DMSO, and DMF
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