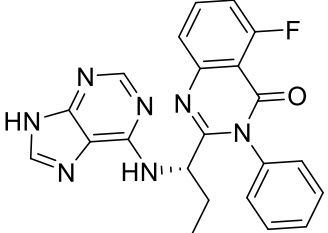




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
200586	Idelalisib (CAL-101)	EOS60302

Chemical name	
(S)-2-(1-((9H-purin-6-yl)amino)propyl)-5-fluoro-3-phenylquinazolin-4(3H)-one.	
Synonyms	
CAL101; CAL 101; CAL-101; GS1101; GS 1101; GS-1101, Idelalisib.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 200586 Name: Idelalisib (CAL-101) CAS#: 870281-82-6 Lot#: EOS60302 Chemical Formula: C ₂₂ H ₁₈ FN ₇ O Exact Mass: 415.1557 Molecular Weight: 415.42

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)	>99.0%
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
Self life	At least 5 years if properly stored.

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