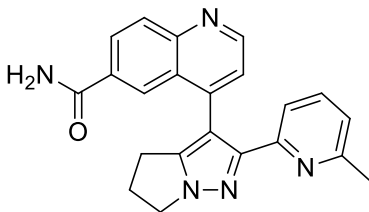


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
205520	Galunisertib	C20R11B11

Chemical name	
4-(2-(6-methylpyridin-2-yl)-5,6-dihydro-4H-pyrrolo[1,2-b]pyrazol-3-yl)quinoline-6-carboxamide	
Synonyms	
LY2157299; LY-2157299; LY 2157299; Galunisertib	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 205520 Name: Galunisertib CAS#: 700874-72-2 Lot#: C20R11B11 Chemical Formula: C ₂₂ H ₁₉ N ₅ O Exact Mass: 369.15896 Molecular Weight: 369.42

Analysis item	Specifications / Results
Appearance	Brown 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
Shelf life	At least 5 years if properly stored.

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