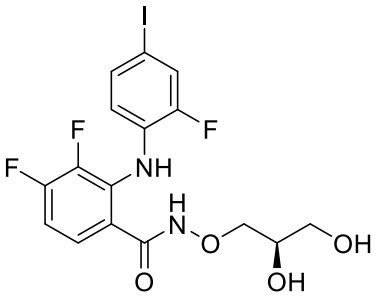


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
202172	Mirdametinib	A21T04K12

Chemical name	
(R)-N-(2,3-dihydroxypropoxy)-3,4-difluoro-2-((2-fluoro-4-iodophenyl)amino)benzamide	
Synonyms	
PD0325901; PD 0325901; PD-325901; Mirdametinib	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 202172 Name: Mirdametinib CAS#: 391210-10-9 Lot#: A21T04K12 Chemical Formula: C ₁₆ H ₁₄ F ₃ IN ₂ O ₄ Exact Mass: 481.99503 Molecular Weight: 482.19

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
Shelf life	At least 3 years if properly stored.

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