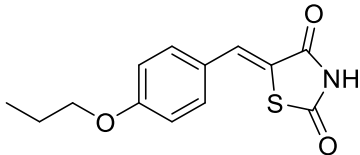




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
562422	SMI-16a	C9R10B31

Chemical name	
(Z)-5-(4-Propoxybenzylidene)thiazolidine-2,4-dione	
Synonyms	
Pim1/2 Inhibitor IV; PIM1/2 Kinase Inhibitor VI; Pim1/2 Kinase Inhibitor IV; SMI-16a	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 562422 Name: SMI-16a CAS#: 587852-28-6 Lot#: C9R10B31 Chemical Formula: C ₁₃ H ₁₃ NO ₃ S Exact Mass: 263.0616 Molecular Weight: 263.31

Analysis item	Specifications / Results
Appearance	Yellow crystalline solid.
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