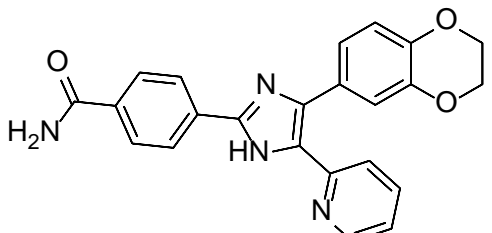


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
526754	D-4476	C21R01B23

Chemical name	
4-[4-(2,3-dihydro-1,4-benzodioxin-6-yl)-5-(2-pyridinyl)1H-imidazol-2-yl]-benzamide	
Synonyms	
D-4476; D 4476; D4476; Casein Kinase I Inhibitor	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 526754 Name: D-4476 CAS#: 301836-43-1 Lot#: C21R01B23 Chemical Formula: C ₂₃ H ₁₈ N ₄ O ₃ Exact Mass: 398.1379 Molecular Weight: 398.42

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)	>98.0%
Solubility	Soluble in DMSO, EtOH, DMSO:DMF, and DMSO:PBS
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