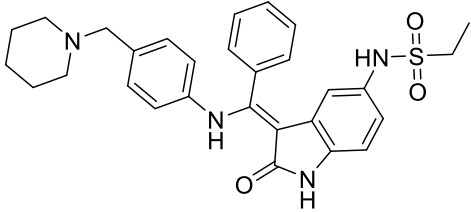




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
201466	Hesperidin	SSC31115

Chemical name	
Z)-N-(2-oxo-3-(phenyl((4-(piperidin-1-ylmethyl)phenyl)amino)methylene)indolin-5-yl)ethanesulfonamide	
Synonyms	
Hesperadin	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 201466 Name: Hesperadin CAS#: 422513-13-1 Lot#SSC31115 Chemical Formula: C ₂₉ H ₃₂ N ₄ O ₃ S Exact Mass: 516.21951 Molecular Weight: 516.65

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	DMSO 103 mg/mL; Water <1 mg/mL; Ethanol <1 mg/mL.
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