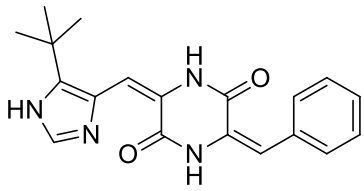




## Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#
202040	Plinabulin	BBC40528

Chemical name	
(3E,6E)-3-benzylidene-6-((5-(tert-butyl)-1H-imidazol-4-yl)methylene)piperazine-2,5-dione	
Synonyms	
NPI 2358; NPI-2358; NPI2358; Plinabulin	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 202040 Name: Plinabulin CAS#: 714272-27-2 Lot#BBC40528 Chemical Formula: C <sub>19</sub> H <sub>20</sub> N <sub>4</sub> O <sub>2</sub> Exact Mass: 336.15863 Molecular Weight: 336.39

Analysis item	Specifications / Results
Appearance	Yellow solid
Structure	<sup>1</sup> 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
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**