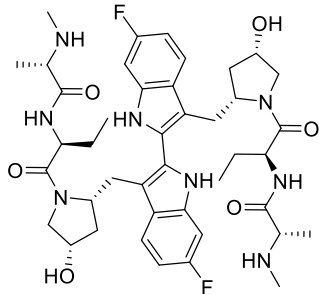




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
205645	Birinapant	A21T03K30

Chemical name	
(2S)-N-[(2S)-1-[(2R,4S)-2-[[6-fluoro-2-[6-fluoro-3-[[[(2R,4S)-4-hydroxy-1-[(2S)-2-[[[(2S)-2-(methylamino)propanoyl]amino]butanoyl]pyrrolidin-2-yl]methyl]-1H-indol-2-yl]-1H-indol-3-yl]methyl]-4-hydroxypyrrolidin-1-yl]-1-oxobutan-2-yl]-2-(methylamino)propanamide	
Synonyms	
TL32711; TL-32711; TL 32711; SMAC mimetic; Birinapant	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 205645 Name: Birinapant CAS#: 1260251-31-7 Lot#: A21T03K30 Chemical Formula: C ₄₂ H ₅₆ F ₂ N ₈ O ₆ Exact Mass: 806.42909 Molecular Weight: 806.94

Analysis item	Specifications / Results
Appearance	Beige 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)	>97.0%
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