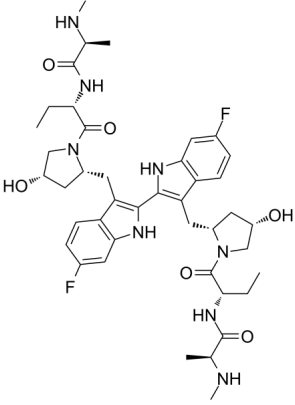


Certificate of Analysis

Catalog Number	BP10315
Product Name	Birinapant

Physical and Chemical Properties

Synonyms	TL32711
CAS No.	1260251-31-7
Chemical Formula	C ₄₂ H ₅₆ F ₂ N ₈ O ₆
Molecular Weight	806.94
Solubility	Ethanol: 51 mg/mL (63.2 mM) H ₂ O: <1 mg/mL; DMSO: 93 mg/mL (115.3 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	Birinapant is a synthetic small molecule that is both a peptidomimetic of second mitochondrial-derived activator of caspases (SMAC) and inhibitor of IAP (Inhibitor of Apoptosis Protein) family proteins, with potential antineoplastic activity.
Targets&IC50	XIAP: 45 nM(Kd), cIAP1: <1 nM(Kd)
In vitro	Cells are allowed to attach for 24 hours and subsequently incubated with Birinapant and/or TNF- α for 24 or 72 hours. Then MTS assay is conducted(Only for Reference)

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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