

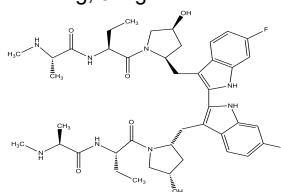
Product: Birinapant

ALTERNATE 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; TL32711; SMAC mimetic

CATALOG #: 2597-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₄₂H₅₆F₂N₈O₆

MOLECULAR WEIGHT: 806.94

CAS No. 1260251-31-7

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (>50 mg/ml)

PURITY: >98% by HPLC

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: Birinapant is a SMAC (synthetic small molecule and peptidomimetic of second mitochondrial-derived activator of caspases) mimetic and IAP (Inhibitor of Apoptosis Protein) antagonist with potential antineoplastic activity. Birinapant binds to and inhibits the activity of IAPs, such as X chromosome-linked IAP (XIAP) and cellular IAPs 1 and 2. Since IAPs shield cancer cells from the apoptosis process, this agent may restore and promote the induction of apoptosis through apoptotic signaling pathways in cancer cells.

REFERENCES: Allensworth, J.L., *et al.* (2013). *Breast Cancer Res. Treat.* 137, 359-371.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Actinomycin D (**Cat. No. 1036-50, 50MG, 5MG**)
 Anisomycin (**Cat. No. 1549-10**)
 BAM7 (**Cat. No. 2451-5, 25**)
 Berberine chloride (**Cat.No. 1830-100, 500**)
 Brefeldin A (**Cat. No. 1560-5, 50**)
 Camptothecin (**Cat. No. 1039-1, 100, 50MG, 500MG**)
 Carboplatin (**Cat. No. 1553-100**)
 Colchicine (**Cat. No.1519-1000**)
 Cycloheximide (**Cat. No. 1041-1, 1G**)
 Cyclosporine A (**Cat. No. 1522-100**)
 Daunorubicin HCl (**Cat. No. 1524-10, 50, 500**)
 Dexamethasone (**Cat. No. 1042-1, 1G, 10G**)
 Doxorubicin HCl (**Cat. No. 1527-5**)
 Etoposide (**Cat. No. 1043-100, 25Mg, 250MG**)
 LY573636 (**Cat. No. 2297-5, 25**)
 Ready-to-Use Apoptosis Inducer Set (**Cat. No. K121-5**)

FOR RESEARCH USE ONLY! Not to be used in humans.