



LKT Laboratories, Inc.

TL-32711

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## Product Information

Product ID T4400

CAS No. 1260251-31-7

### Chemical Name

Synonym Birinapant

Formula  $C_{42}H_{56}F_2N_8O_6$

Formula Wt. 806.94

### Melting Point

Purity  $\geq 98\%$

Solubility DMSO 100 mg/mL (123.92 mM)

Ethanol 55 mg/mL (68.15 mM)

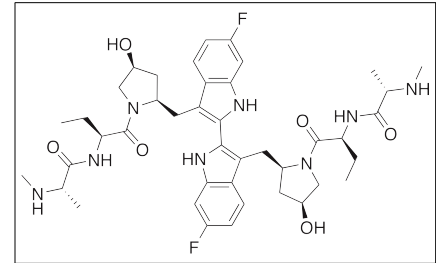
Water Insoluble

Store Temp  $4^{\circ}C$

Ship Temp Ambient

### Description

TL-32711 is a Smac mimetic that is currently in clinical trials as a potential treatment for a variety of cancers. TL-32711 inhibits members of the inhibitor of apoptosis protein (IAP) family proteins, inducing degradation of cIAP1 and cIAP2. TL-32711 exhibits anticancer chemotherapeutic activity, inhibiting NF- $\kappa$ B activation and tumor growth in animal models. In acute myelogenous leukemia (AML) cells, this compound induces caspase 8-mediated apoptosis. This compound also improves the efficacy of co-administered antivirals in models of hepatitis B infection.



**Bulk quantities available upon request**

| Product ID | Size  |
|------------|-------|
| T4400      | 1 mg  |
| T4400      | 5 mg  |
| T4400      | 10 mg |

**References** Ebert G, Allison C, Preston S, et al. Eliminating hepatitis B by antagonizing cellular inhibitors of apoptosis. Proc Natl Acad Sci U S A. 2015 May 5;112(18):5803-8. PMID: 25902530.

Benetatos CA, Mitsuuchi Y, Burns JM, et al. Birinapant(TL32711), a Bivalent Smac Mimetic, Targets TRAF2-associated cIAPs, Abrogates TNF-induced NF- $\kappa$ B Activation and is Active in Patient-Derived Xenograft Models. Mol Cancer Ther. 2014 Feb 21. [Epub ahead of print]. PMID: 24563541.

Carter BZ, Mak PY, Mak DH, et al. Synergistic Targeting of AML Stem/Progenitor Cells With IAP Antagonist Birinapant and Demethylating Agents. J Natl Cancer Inst. 2014 Feb 1;106(2):djt440. PMID: 24526787.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.