

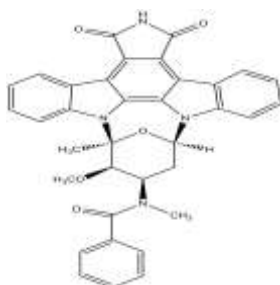
## Stauprimide

ALTERNATE NAME: N-Benzoyl-7-oxostaurosporine

CATALOG #: 1743-500

AMOUNT: 500 µg

STRUCTURE:



MOLECULAR FORMULA: C<sub>35</sub>H<sub>28</sub>N<sub>4</sub>O<sub>5</sub>

MOLECULAR WEIGHT: 584.62

CAS NUMBER: 154589-96-5

APPEARANCE: Yellow orange solid

SOLUBILITY: DMSO (100 mg/ml)

PURITY: ≥99% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: A cell-permeable analog of Staurosporine (Cat. No. 1048-010, 1) that primes embryonic stem cells (ESCs) for differentiation. Interacts with NME2 and inhibits its nuclear translocation. Increases the efficiency of directed differentiation of mouse and human ESCs *in vitro*.

REFERENCE: Zhu, S., *et al.* (2009). *Cell Stem Cell* 4, 416-426.

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

### RELATED PRODUCTS:

- Compound 1 (Cat. No. 1688-1)
- Cyclopamine (Cat. No. 1578-5)
- Cyclosporine A (Cat. No. 1522-100, 1G)
- Dexamethasone (Cat. No. 1042-1G, 10G)
- Forskolin, *Coleus Forskohlii* (Cat. No. 1531-5)
- Geldanamycin (Cat. No. 1564-1,5)
- Hh Signaling Pathway Antagonist (Cat. No. 1659-1)
- JK 184 (Cat. No. 1726-1)
- Purmorphamine (Cat. No. 1672-5)
- Rapamycin (Cat. No. 1568-5,50)
- SB-431542 (Cat. No. 1674-1)
- Sodium Butyrate (Cat. No. 1609-1000)
- Trichostatin A (Cat. No. 1606-1)
- U0126 (Cat. No. 1668-5)

**FOR RESEARCH USE ONLY! Not to be used on humans.**