

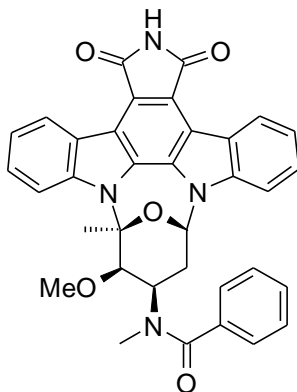
Catalog # 10-1189

Stauprimide

CAS# 154589-96-5

N-Benzoyl-7-oxostaurosporine

Lot # B104181



Stauprimide dramatically primes embryonic stem cells for differentiation. Its molecular target is NME2, a c-Myc-activating transcription factor. Stauprimide inhibits nuclear localization of NME2 thereby downregulating c-Myc.

- 1) Zhu *et al.* (2009), *A small molecule primes embryonic stem cells for differentiation*; Cell Stem Cell, **4** 416
- 2) Zaret *et al.* (2009), *Using small molecules to great effect in stem cell differentiation*; Cell Stem Cell, **4** 373

PHYSICAL DATA

Molecular Weight:	584.64
Molecular Formula:	C ₃₅ H ₂₈ N ₄ O ₅
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 20 mg/ml) or Ethanol (only slightly soluble)
Physical Description:	Orange solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 2 months.

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