

PRODUCT: Staurosporine

CATALOG #:	1048-01
AMOUNT:	100 µg
LOT #:	_____
CAS NUMBER:	62996-74-1
PHYSICAL APPEARANCE:	Lyophilized (m.p. 81-83°C)
MOLECULAR WEIGHT:	466.5
MOLECULAR FORMULA:	C ₂₈ H ₂₆ N ₄ O ₃
PURITY:	≥99% by TLC
SOLUBILITY:	Soluble in DMSO (25 mg/ml)
STORAGE CONDITIONS:	Store powder at 0-4°C for up to 1 year. Store solutions at -20°C for up to 3 months.

DESCRIPTION:

Potent inhibitor of protein kinase C and most other kinases, including tyrosine kinases. Inhibits topoisomerase II directly by blocking transfer of phosphodiester bonds from DNA to active site tyrosine. Induces apoptosis in CHO cells at 1 µM.

REFERENCES:

1. Seynaeve, C.M., *et al.* (1994) *Mol. Pharmacology* **45**:1207.
2. Wang, X., *et al.* (1996) *EMBO J.* **15**:1012.
3. Lassota, P., *et al.* (1996) *J. Biol. Chem.* **271**:26418.

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- Caspase Assay Kits & Reagents
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- Nuclear Apoptosis Kits & Reagents

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- Mammalian Cell Extraction Kit
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