

PRODUCT: Staurosporine

CATALOG #:	1048-01	100 µg
	1048-1	1 mg
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.

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

RELATED PRODUCTS:

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- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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