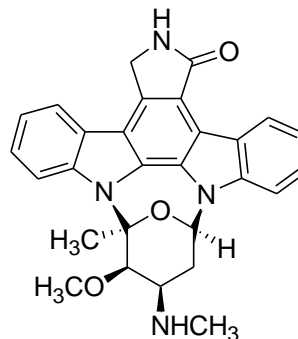


PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: Staurosporine**CATALOG #** 00025**MOLECULAR INFORMATION:** C₂₈H₂₆N₄O₃
MWt: 466.53**PROPERTIES:****Color & Form** Light yellow solid
Solubility Soluble in DMSO or ethanol**STORAGE AND HANDLING:**

Store at desiccated at -20 °C and protect from light

APPLICATION:Staurosporine is a potent and cell-permeable inhibitor of a wide variety of protein kinases,^{1,2} including protein kinase C (IC₅₀ = 0.7 nM), protein kinase A (IC₅₀ = 7 nM), and protein kinase G (IC₅₀ = 8.5 nM). Staurosporine induces apoptosis in human neuroblastoma cells and chick embryonic neurons.^{3,4}Ref: 1) *Biochem. Biophys. Res. Commun.* **158**, 105(1989); 2) *Biochem. Biophys. Res. Commun.* **135**, 397(1986); 3) *Neuropharmacology* **36**, 811(1997); 4) *J. Neurochem.* **66**, 1418(1996).**TOXICITY:**

Not established.

FIRST AID:

Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.

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