

Staurosporine, GMP Grade

Cat. No. Staurosporine-14 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Staurosporine (AM-2282) (GMP) is Staurosporine produced by using GMP guidelines. GMP small molecules works appropriately as an auxiliary reagent for cell therapy manufacture.
Description	Staurosporine is a potent, ATP-competitive and non-selective inhibitor of protein kinases.
Form	Solid, Off-white to pale purple
Target	PKC
In Vitro	Staurosporine (GMP) (316 nM; 24 h) induces robust neurite outgrowth in RGC-5 cells. Staurosporine (GMP) (25 and 100 nM; 12 h) induces differentiation of SH-SY5Y cells, characterized by increased neurite outgrowth with significant branching and reduced cell body size. Staurosporine (GMP) (20 nM) induces differentiation of human neuroblastoma cell lines. Staurosporine (GMP) (5 nM) enhances differentiation of HL-60 cells induced by 1 alpha, 25 dihydroxyvitamin D3, dbc AMP, all-trans retinoic acid (RA), actinomycin D (Act D), and other compounds. Staurosporine (GMP) (1 µM; 15 d) induces differentiation of human neuroblastoma cells.
CAS	62996-74-1
Formula	C ₂₈ H ₂₆ N ₄ O ₃
Molecular Mass	466.53

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Storage	4 centigrade, sealed storage, away from moisture and light
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GENE INFORMATION

Pathway	Epigenetics; TGF-beta/Smad
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Synonyms	Staurosporine; Antibiotic AM-2282; STS; AM-2282
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