

## CERTIFICATE of ANALYSIS

PRODUCT:	<b>PKC-412</b> [4'-N-Benzoyl-staurosporine; Midostaurin; CGP 41251], Flt inhibitor; C <sub>35</sub> H <sub>30</sub> N <sub>4</sub> O <sub>4</sub> , M.W. 570.6, CAS# [120685-11-2] MI: 14: 6185
PRODUCT NUMBER:	P-1571
LOT NUMBER:	E1371
APPEARANCE:	White to off-white powder
SOLUBILITY:	Soluble in DMSO (10 mg/ml).
PURITY (HPLC):	≥ 99%
PRODUCT DESCRIPTION:	Inhibitor of a variety of serine/threonine and tyrosine kinases, like protein kinase C (PKC), cyclic AMP-dependent protein kinase (PKA), S6 kinase, Akt (protein kinase B; PKB) and epidermal growth factor receptor (EGFR) tyrosine kinase activity. Potently inhibits FLT-3 kinase <i>in vitro</i> and <i>in vivo</i> . Apoptosis inducer. Showed broad antiproliferative activity against various tumor cell lines. Selectively inhibits T lymphocyte production of TNF- $\alpha$ . Upregulates endothelial nitric oxide synthase (eNOS; NOS III). Abrogates tumor angiogenesis <i>in vivo</i> .
STORAGE & HANDLING:	Store at -20°C. Stock solutions are stable for up to 3 months at -20°C. <b>PROTECT FROM LIGHT!</b>

CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: DD