PKC-412

Flt inhibitor

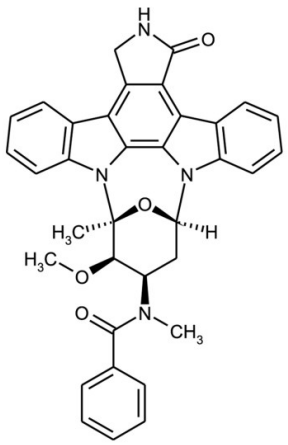
Inhibitor of a variety of serine/threonine and tyrosine kinases, like protein kinase C (PKC), cyclic AMP-dependent protein kinase (PKA), S6 kinase, Akt (protein kinase B; PKB), epidermal growth factor receptor (EGFR) tyrosine kinase activity and others including KDR, VEGFR, PDGFR, c-kit and other receptor tyrosine kinases. Potently inhibits FLT-3 kinase including mutant forms found in acute myeloid leukemia *in vitro* and *in vivo.* Apoptosis inducer. Showed broad antiproliferative activity against various tumor cell lines. Selectively inhibits T lymphocyte production of TNF-α. Upregulates endothelial nitric oxide synthase (eNOS; NOS III). Abrogates tumor angiogenesis *in vivo*.

Citations: 29 View Online »

Ordering Information Order Online »

BML-EI370-0001	1mg

Manuals, SDS & CofA View Online »


H
N
O
N
N
O
H3C
H
H3C
O
O
N
CH3

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for up to 1 year after receipt when stored at -20°C. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	4′-N-Benzoyl-staurosporine, Midostaurin, CGP 41251
Appearance	White to off-white powder.
CAS	120685-11-2
Couple Target	Akt, c-Kit, EGFR, Flt, PDGF receptor, PKA, PKC, S6 kinase, VEGFR
Couple Type	Inhibitor
Formula	$C_{35}H_{30}N_4O_4$
MI	**14:** 6185
MW	570.6
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (15mg/ml), MDC (10mg/ml), methanol (5mg/ml) or 100% ethanol (2.5mg/ml).

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