

DATA SHEET

Product Name: PKC-412

Catalog #: CV-1004

Alt: CAS # 120685-11-2; 4'-N-Benzoyl staurosporine; Midostaurin; CGP-41251

Molecular Mass: 570.6

Analysis: >98% (HPLC); NMR (conforms)

Supplied As: White powder

Resuspension: May be dissolved in DMSO (15 mg/ml); or ethanol (2 mg/ml)

Storage: Store desiccated as supplied at -20°C for up to 2 years. Store solutions at -20°C for up to 3 months.

Description: Pan-specific kinase inhibitor. Selectively induces G1 arrest and apoptosis in Ba/F3 cells expressing mutant FLT3, $IC_{50} < 10 \text{ nM}^{1,2}$. FLT3 ligand impedes the efficacy of inhibition by PKC-412³. Potential therapeutic use in pancreatic cancer⁴. Cell permeable. Active *in vivo*.

References:

1. Weisberg, E., et al., (2002) Cancer Cell, 1: 433
2. Odgerel, T., et al., (2008) Oncogene, 27: 3102
3. Sato, T., et al., (2011) Blood, 117: 3286
4. El Fitori, J., et al., (2007) Cancer, 110: 1457

For research use only. Not for use in humans.