Datasheet

Product overview

Name: PKC-412
Cat No: HB0521
Short description: Broad spectrum protein kinase inhibitor
Biological description: Broad spectrum protein kinase inhibitor. Inhibits PKC (isoforms α, β and γ), Syk, FLK-1, PKA, c-kit, Akt, FLT3, VEGFR1, VEGFR2, EGFR and c-src. Also selectively blocks TNF-α production. Displays antitumor, antiproliferative and pro-apoptotic properties.
Alternative names: CGP 41251; Midostaurin; 4'-N-benzoylstaurosporine; PKC412
Biological action: Inhibitor
Purity: >96%

Properties

Chemical name: Midostaurin; 4'-N-benzoylstaurosporine
Molecular Weight: 570.64
Chemical structure:

![Chemical structure image]

Molecular Formula: C\textsubscript{35}H\textsubscript{30}N\textsubscript{4}O\textsubscript{4}
CAS Number: 120685-11-2
PubChem identifier: 0
SMILES: CO[C@]1(C)[C@@H]2(C@H)3O[N]4c5ccc6ccccc6c7c8cccch8n2c7c35n(N(C)(=O)c9ccccc9]

Storing and Using Your Product

Solubility overview: Soluble in DMSO (15mg/ml) or MDC (10mg/ml)
Important: This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

References for PKC-412
PKC412—a protein kinase inhibitor with a broad therapeutic potential.
PubMedID: 10888033

Effects of the kinase inhibitor CGP41251 (PKC 412) on lymphocyte activation and TNF-alpha production.
PubMedID: 15914319

The phosphatidylinositide 3’-kinase/Akt survival pathway is a target for the anticancer and radiosensitizing agent PKC412, an inhibitor of protein kinase C.
PubMedID: 11719451

PKC412 induces apoptosis through a caspase-dependent mechanism in human keloid-derived fibroblasts.
PubMedID: 15306200