
Product Data Sheet

Product Name: Midostaurin-D5

Cat. No.: GC61064

Chemical Properties

Cas. No.

SMILES O=C(C1=C([2H])C([2H])=C([2H])C([2H])=C1[2H])N(C)[C@H]2[C@@H](OC)[C@@]3(C)N(C4=C5C=CC=C4)C6=C5C7=C(C(NC7)=O)C8=C6N(C9=CC=CC=C98)[C@@](O3)([H])C2

Formula C₃₅H₂₅D₅N₄O₄

M.Wt

575.67

Solubility

Storage

Store at -20°C

General tips

For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Midostaurin-D5 (PKC412-D5) is a deuterium labeled Midostaurin. Midostaurin is a multi-targeted protein kinase inhibitor which inhibits PKC $\alpha/\beta/\gamma$, Syk, Flk-1, Akt, PKA, c-Kit, c-Fgr, c-Src, FLT3, PDFR β and VEGFR1/2 with IC₅₀s ranging from 22-500 nM[1].

[1]. Fabbro D, et al. Inhibitors of protein kinases: CGP 41251, a protein kinase inhibitor with potential as an anticancer agent. Pharmacol Ther. 1999 May-Jun;82(2-3):293-301.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
