
Product Data Sheet

Product Name: 3-Hydroxy Midostaurin

Cat. No.: GC39689

Chemical Properties

Cas. No. 179237-49-1

SMILES OC1NC(C2=C1C(C3=C4C=CC=C3)=C5N4[C@]6(O[C@@H](N7C5=C2C8=C7C=CC=C8)C[C@H]([C@H]6OC)N(C(C9=CC=CC=C9)=O)C)C)=O

Formula C₃₅H₃₀N₄O₅ M.Wt 586.64

Solubility Soluble in DMSO 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**

3-Hydroxy Midostaurin (CGP 52421), a metabolite of PKC412, effectively inhibits FMS-like tyrosine kinase-3 (FLT3) autophosphorylation with IC₅₀s of approximately 132 nM and 9.8 μM in culture medium and plasma, respectively. 3-Hydroxy Midostaurin is less selective but more cytotoxic than PKC412[1].

[1]. Levis M, et al. Plasma inhibitory activity (PIA): a pharmacodynamic assay reveals insights into the basis for cytotoxic response to FLT3 inhibitors. Blood. 2006 Nov 15;108(10):3477-83.

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

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