
Product Data Sheet

Product Name: O-Desmethyl Midostaurin

Cat. No.: GC60274

Chemical Properties

Cas. No. 740816-86-8

SMILES O=C(N([C@@H]1C[C@]([H])(N2C3=C4C=CC=C3)O[C@](C)(N5C6=C2C4=C(C(NC7)=O)C7=C6C8=C5C=CC=C8)[C@@H]1O)C)C9=CC=CC=C9

Formula C₃₄H₂₈N₄O₄ M.Wt 556.61

Solubility Storage

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**

O-Desmethyl Midostaurin (CGP62221; O-Desmethyl PKC412) is the active metabolite of Midostaurin via cytochrome P450 liver enzyme metabolism. O-Desmethyl Midostaurin can be used as an indicator for Midostaurin metabolism in vivo[1]. Midostaurin is a multi-targeted protein kinase inhibitor with IC₅₀ ranging from 22-500 nM.

[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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