

3-Hydroxy Midostaurin-D5

Chemical Properties

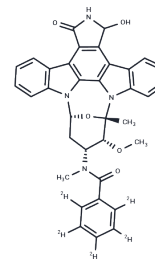
CAS No. :

Formula: C₃₅H₂₅D₅N₄O₅

Molecular Weight: 591.67

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description

3-Hydroxy Midostaurin-D5 is a deuterium-labeled 3-Hydroxy Midostaurin (T12610L) which is a metabolite of PKC412. PKC412 effectively inhibits FMS-like tyrosine kinase-3 (FLT3) autophosphorylation (IC₅₀s: 132 nM and 9.8 μM in culture medium and plasma).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6901 mL	8.4507 mL	16.9013 mL
5 mM	0.338 mL	1.6901 mL	3.3803 mL
10 mM	0.169 mL	0.8451 mL	1.6901 mL
50 mM	0.0338 mL	0.169 mL	0.338 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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