
Product Data Sheet

Product Name: Posaconazole-D4

Cat. No.: GC61204

Chemical Properties

Cas. No. 1133712-26-1

SMILES FC1=CC=C([C@@]2(CN3C=NC=N3)C[C@H](COC4=CC=C(N5CCN(C6=C([2H])C([2H])=C(N7C=NN([C@@H](CC)[C@H](C)O)C7=O)C([2H])=C6[2H])CC5)C=C4)CO2)C(F)=C1

Formula C₃₇H₃₈D₄F₂N₈O₄ M.Wt 704.8

Solubility DMSO : 18.75 mg/mL (26.60 mM; ultrasonic and warming and heat to 60°C) 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**

Posaconazole-D4 is a deuterium-labeled form of Posaconazole. Posaconazole is a broad-spectrum, second generation, triazole compound with antifungal activity[1].

[1]. Herbrecht R, et al. Management of systemic fungal infections: alternatives to itraconazole. J Antimicrob Chemother. 2005 Sep;56 Suppl 1:i39-i48.

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

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