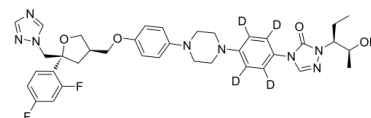


Data Sheet

Product Name:	Posaconazole-d ₄
Cat. No.:	CS-0112159
CAS No.:	1133712-26-1
Molecular Formula:	C ₃₇ H ₃₈ D ₄ F ₂ N ₈ O ₄
Molecular Weight:	704.80
Target:	Fungal
Pathway:	Anti-infection
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

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

References:

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

CAIndexNames:

D-threo-Pentitol, 2,5-anhydro-1,3,4-trideoxy-2-C-(2,4-difluorophenyl)-4-[[4-[4-[4-[1-[(1S,2S)-1-ethyl-2-hydroxypropyl]-1,5-dihydro-5-oxo-4H-1,2,4-triazol-4-yl]phenyl]-2,3,5,6-d4]-1-piperazinyl]phenoxy]methyl]-1-(1H-1,2,4-triazol-1-yl)-

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

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

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