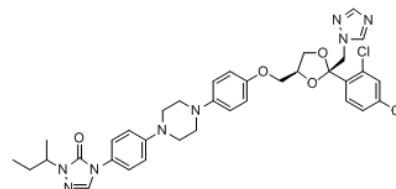


Product Name : Itraconazole
Cat. No. : PC-45319
CAS No. : 84625-61-6
Molecular Formula : C₃₅H₃₈Cl₂N₈O₄
Molecular Weight : 705.6334
Target : Fungal
Solubility : DMSO: ≥ 7.3 mg/mL



Biological Activity

Itraconazole (R51211) is a triazole antifungal agent for fungal infections via inhibition of lanosterol 14 α -demethylase, inhibits **hedgehog** signaling pathway with IC₅₀ of 800 nM.

Itraconazole also has been shown to inhibit both the hedgehog signaling pathway and angiogenesis.

Itraconazole also is a core-1 beta1,3-galactosyltransferase (**C1GALT1**) inhibitor that directly binds C1GALT1 and promotes its proteasomal degradation.

References

Kim J, et al. *Cancer Cell*. 2010 Apr 13;17(4):388-99.

Aftab BT, et al. *Cancer Res*. 2011 Nov 1;71(21):6764-72.

Chong CR, et al. *ACS Chem Biol*. 2007 Apr 24;2(4):263-70.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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