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**Product Data Sheet**

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Product Name: Fluconazole mesylate

Cat. No.: GC36057

**Chemical Properties**

Cas. No. 159532-41-9

SMILES FC1=CC=C(C(O)(CN2C=NC=N2)CN3C=NC=N3)C(F)=C1.CS(=O)(O)=OFormula  $C_{14}H_{16}F_2N_6O_4S$  M.Wt 402.38

Solubility Soluble in DMSO 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**

Fluconazole is a triazole antifungal agent that is effective against most *Candida* strains.<sup>1</sup> *In vivo* fluconazole at 0.5-100 mg/kg demonstrates protective activity in various experimental animal models of systemic fungal diseases including aspergillosis, blastomycosis, candidiasis, coccidioidomycosis, cryptococcosis, and histoplasmosis.<sup>2</sup>

1.Herbrecht, R., Nivoix, Y., Fohrer, C., et al. Management of systemic fungal infections: Alternatives to itraconazole. *J. Antimicrob. Chemother.* 56(Suppl 1):i39-i48(2005) 2.Saag, M.S., and Dismukes, W.E. Azole antifungal agents: Emphasis on new triazoles. *Antimicrob. Agents Chemother.* 32(1):1-8(1988)

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

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