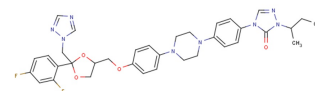


Saperconazole

Chemical Properties

CAS No.:	110588-57-3
Formula:	C ₃₅ H ₃₈ F ₂ N ₈ O ₄
Molecular Weight:	672.72
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Saperconazole is a broad-spectrum antifungal triazole (MIC ₉₀ : 0.19 mg/L).
Targets(IC ₅₀)	0: None
In vitro	The antifungal activity of Saperconazole is complete at 1 µg/mL. 80% of all strains show a complete absence of growth at 0.1 µg/mL (85% for <i>A. fumigatus</i>), and this result persists during 14 days of the test[2].
In vivo	Saperconazole (2.5 mg/kg) administered, is not active, but when it is given at 5 or 10 mg/kg, 92 or 100%, respectively, survive and organ cultures are negative.[2].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.487 mL	7.433 mL	14.865 mL
5 mM	0.297 mL	1.487 mL	2.973 mL
10 mM	0.149 mL	0.743 mL	1.487 mL
50 mM	0.03 mL	0.149 mL	0.297 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Otcenášek M, et al. Susceptibility of clinical isolates of fungi to saperconazole. *Mycopathologia*. 1992 Jun;118(3):179-83.
- VVan Cutsem J, et al. Oral and parenteral therapy with saperconazole (R 66905) of invasive aspergillosis in normal and immunocompromised animals. *Antimicrob Agents Chemother*. 1989 Dec;33(12):2063-8.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481