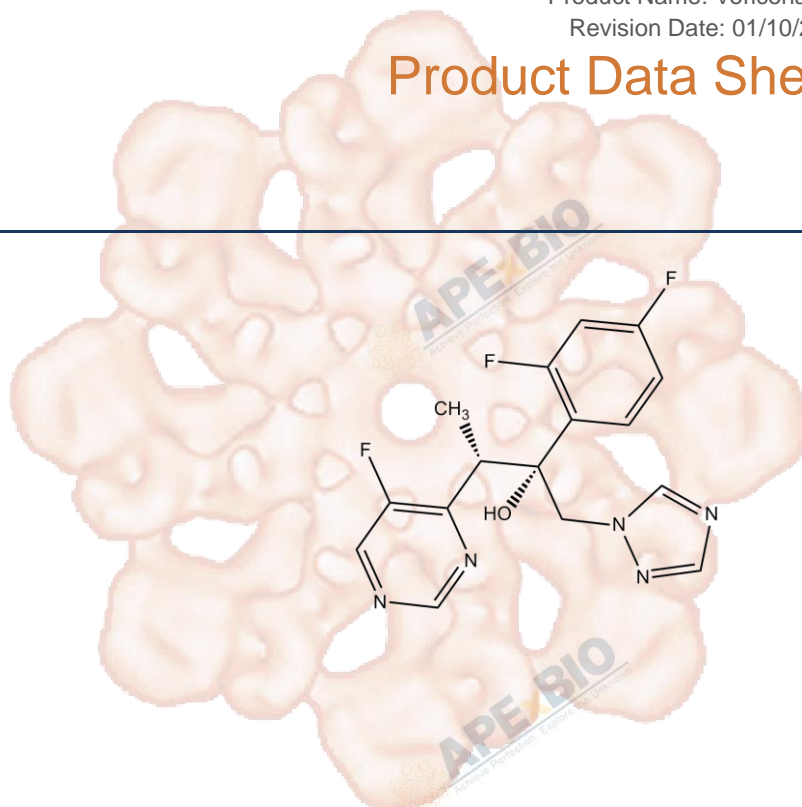


Product Data Sheet

Voriconazole

Cat. No.:	A4320
CAS No.:	137234-62-9
Formula:	C ₁₆ H ₁₄ F ₃ N ₅ O
M.Wt:	349.31
Synonyms:	
Target:	Metabolism
Pathway:	CYP3A/CYP450
Storage:	Store at -20°C



Solvent & Solubility

≥34.9 mg/mL in DMSO; insoluble in H₂O; ≥45 mg/mL in EtOH with gentle warming and ultrasonic

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	Concentration			
	1 mM	2.8628 mL	14.3139 mL	28.6279 mL
	5 mM	0.5726 mL	2.8628 mL	5.7256 mL
	10 mM	0.2863 mL	1.4314 mL	2.8628 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

CYP51 inhibitor

IC₅₀ & Target

In Vitro

Cell Viability Assay

Cell Line:	Aspergillus spp. and Candida spp.
Preparation method:	The solubility of this compound in DMSO is >17.5mg/mL. General tips for obtaining a higher concentration: Please warm the tube at 37°C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.
Applications:	Voriconazole inhibited Aspergillus spp. and Candida spp. and exhibited

		excellent activity against Candida spp. with MICs typically <0.125 mg/L.
In Vivo	Animal experiment	
	Applications:	In the patients who received primary therapy with voriconazole, 59% had either a complete or a partial response. In the patients who received voriconazole as salvage therapy, 38% had either a complete or a partial response.
	Other notes:	Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

Product Citations

See more customer validations on www.apexbt.com.

References

- [1] Sabo JA, Abdel-Rahman SM. Voriconazole: a new triazole antifungal. Ann Pharmacother. 2000 Sep;34(9):1032-43.
 [2] Johnson LB, Kauffman CA. Voriconazole: a new triazole antifungal agent. Clin Infect Dis. 2003 Mar 1;36(5):630-7.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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