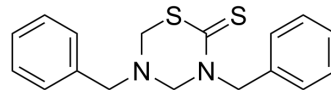


Sulbentine

Cat. No.:	HY-B1133		
CAS No.:	350-12-9		
Molecular Formula:	C ₁₇ H ₁₈ N ₂ S ₂		
Molecular Weight:	314.47		
Target:	Fungal		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (318.00 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.1800 mL	15.8998 mL	31.7995 mL
				5 mM	0.6360 mL	3.1800 mL	6.3599 mL
10 mM				0.3180 mL	1.5900 mL	3.1800 mL	
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 6.25 mg/mL (19.87 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Sulbentine (Dibenzthione) is an azole antifungal agent that has fungistatic and fungicidal activities. Sulbentine is used as a locally acting antimycotic in vivo ^{[1][2]} .
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CUSTOMER VALIDATION

- University of British Columbia. 2024 Jan.

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REFERENCES

[1]. Thoma K, et al. The photostability of antimycotics. 3. Photostability of locally acting antimycotics. Pharmazie. 1997 May;52(5):362-73.

[2]. Hänel H, et al. Evaluation of fungicidal action in vitro and in a skin model considering the influence of penetration kinetics of various standard antimycotics. Ann N Y Acad Sci. 1988;544:329-37.

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

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