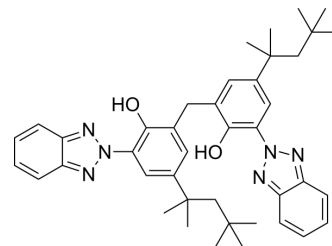


Bisotrizole

Cat. No.:	HY-B0897		
CAS No.:	103597-45-1		
Molecular Formula:	C ₄₁ H ₅₀ N ₆ O ₂		
Molecular Weight:	658.87		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

Acetone : 1 mg/mL (1.52 mM; ultrasonic and warming and heat to 60°C)
 DMSO : 1 mg/mL (1.52 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.5178 mL	7.5888 mL	15.1775 mL
	5 mM	---	---	---
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

Bisotrizole is a broad-spectrum ultraviolet radiation absorber, absorbing UVB as well as UVA rays; also reflects and scatters UV.

CUSTOMER VALIDATION

- Adv Sci (Weinh). 2022 Oct 18;e2203088.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Herzog B, et al. In vivo and in vitro assessment of UVA protection by sunscreen formulations containing either butyl methoxy dibenzoyl methane, methylene bis-benzotriazolyl tetramethylbutylphenol, or microfine ZnO. *Int J Cosmet Sci.* 2002 Jun;24(3):170-85.

[2]. Mavon A, et al. In vitro percutaneous absorption and in vivo stratum corneum distribution of an organic and a mineral sunscreen. *Skin Pharmacol Physiol.* 2007;20(1):10-20.

[3]. Ashby J, et al. Lack of binding to isolated estrogen or androgen receptors, and inactivity in the immature rat uterotrophic assay, of the ultraviolet sunscreen filters Tinosorb M-active and Tinosorb S. *Regul Toxicol Pharmacol.* 2001 Dec;34(3):287-91.

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

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