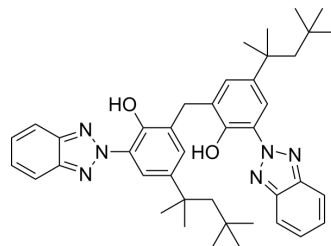


## Bisotrizole

<b>Cat. No.:</b>	HY-B0897		
<b>CAS No.:</b>	103597-45-1		
<b>Molecular Formula:</b>	C <sub>41</sub> H <sub>50</sub> N <sub>6</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	658.87		
<b>Target:</b>	Biochemical Assay Reagents		
<b>Pathway:</b>	Others		
<b>Storage:</b>	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 (insoluble or slightly soluble)

	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 UV absorber that absorbs UVB and UVA rays while reflecting and scattering UV rays.

### CUSTOMER VALIDATION

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

See more customer validations on [www.MedChemExpress.com](http://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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA