

Product Data Sheet

Product Name: Bisotrizole

Cat. No.: GC30483

Chemical Properties

Cas. No. 103597-45-1

SMILES OC1=C(N2N=C3C(C=CC=C3)=N2)C=C(C(C)(C)CC(C)(C)C)C=C1CC4=CC(C(C)(C)CC(C)(C)C)=CC(N5N=C6C(C=CC=C6)=N5)=C4O

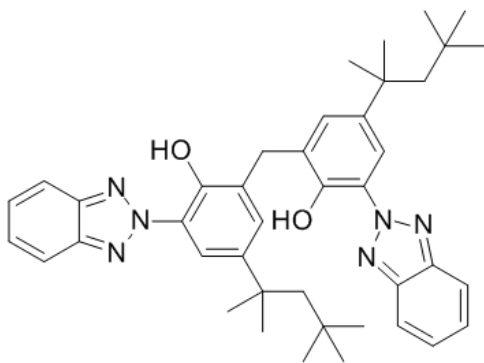
Formula $C_{41}H_{50}N_6O_2$ M.Wt 658.87

Solubility DMSO: < 1 mg/mL (insoluble or slightly soluble) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Bisotrizole is a broad-spectrum ultraviolet radiation absorber, absorbing UVB as well as UVA rays;

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

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also reflects and scatters UV.

[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-benzotriazoly 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.

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