

Lynn Laboratories, Inc

2-(2H-Benzotriazol-2-yl)-4-methyl-6-(2-methyl-2-propenyl)phenol Ophthalmic Grade

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General Description: LYNN-UV12 is a benzotriazole-type UV absorber which may be copolymerized with monomers, such as methacrylates, and acrylates. This UV absorber has strong absorption in ultraviolet region.

Product Name: LYNN-UV12

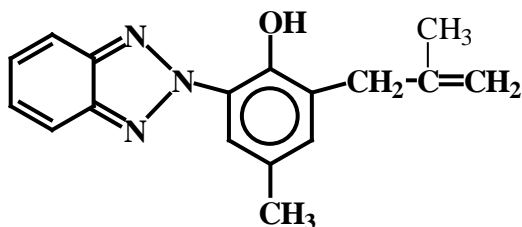
Synonym: 2-(2-Hydroxy -3-methyl -5-methylphenyl)-2H-benzotriazole

Chemical Formula: C₁₇H₁₇ N₃ O

Molecular Weight: 279.34

CASRN: 98809-58-6

Structure:



Melting Point: 92-95°C

Appearance: Light yellow powder

Solubility: Soluble in common organic solvents. Limited solubility in 2-hydroxyethyl methacrylate(HEMA). Insoluble in water.

Purity: 98% minimum

UV absorption: $\epsilon = 1.66 \times 10^4$ @ $\lambda = 304$ nm, and $\epsilon = 1.21 \times 10^4$ @ $\lambda = 340$ nm, in acetonitrile

Application: UV absorbing monomer, especially for ophthalmic devices, films, coatings and fibers.