

# Lynn Laboratories, Inc

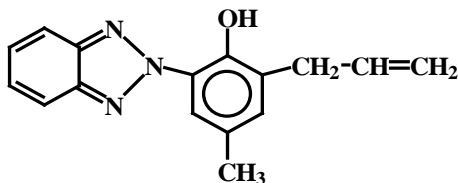
## 2-(2H-Benzotriazol-2-yl)-4-methyl-6-(2-propenyl)phenol Ophthalmic Grade

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**General Description:** UV9 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:** UV9  
**Synonym:** 2-(3-Allyl-2-hydroxy-5-methyl phenyl)-2H-benzotriazole  
**Chemical Formula:** C<sub>16</sub>H<sub>15</sub> O N<sub>3</sub>  
**Molecular Weight:** 265.0  
**CASRN:** 2170-39-0

**Structure:**



**Melting Point:** 98-100°C

**Appearance:** pale yellow to tan crystals

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

**Purity:** 97% minimum

**UV absorption:**  $\epsilon = 1.60 \times 10^4 \pm 0.05$  @  $\lambda = 303$  nm, and  $\epsilon = 1.71 \times 10^4 \pm 0.05$  @  $\lambda = 340$  nm, in acetonitrile

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