

Lynn Laboratories, Inc

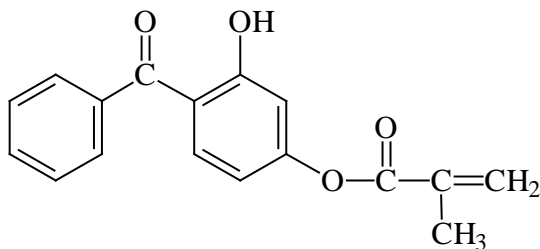
2-Hydroxy-4-methacryloyloxybenzophenone Ophthalmic Grade

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General Description: LYNN-UV7 is a benzophenone-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-UV7
Synonym: 4-benzoyl-3-hydroxyphenyl methacrylate
Chemical Formula: C₁₇H₁₄ O₄
Molecular Weight: 282.3
CASRN: [2035-72-5]

Structure:



Melting Point: 79 ± 2.5 °C with range less than 2 °C

Appearance: Light yellow powder

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

Purity: 98% minimum by HPLC

UV absorption: $\epsilon = 1.64 \times 10^4$ @ $\lambda = 270$ nm, and $\epsilon = 6.23 \times 10^4$ @ $\lambda = 327$ nm, in acetonitrile

Shelf life: 12 months started from manufacture date.

Storage Conditions: Dark and cool conditions (<5 °C)

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