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Product Specifications

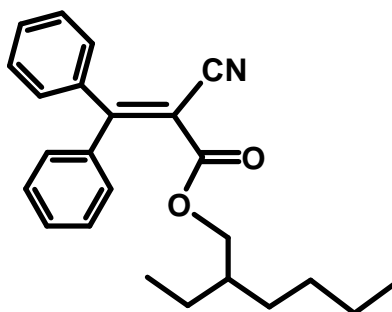
Octocrylene (USP grade)

CAS 6197-30-4

EINECS 228-250-8

Syn: 2-Ethylhexyl-2-cyano-3,3-diphenylacrylate; Uvinul 3039; 2-Cyano-3,3-diphenylacrylic Acid, 2-Ethylhexyl Ester; Escalol 597; Eusolex OCR; Neo Heliopan 303; Octocrilene; Octocrylene; Parsol 340; Sanduvor 3039; Seesorb 502; Uvinul N 539

Structure:



Mol. Formula
Source

$C_{24}H_{27}NO_2$
Synthetic

Mol. Wt.

361.49

<i>Test</i>	<i>Specification</i>
Identity (USP)	E = 340-370 @ 303 nm (c = 0.1% in MeOH)
Appearance	Clear, pale-yellow liquid
Assay (glpc, USP)	> 95% (typically > 98%)
Component Impurities (individually)	< 0.5%
Water (K-F)	< 0.1%
Residual Solvents	USP
Heavy metals	< 10 ppm
RI, $\eta_D^{20\text{ }^\circ\text{C}}$	1.561 - 1.571
Acid value (USP)	≤ 1.8 mL of 0.1N NaOH / g
Sp. Gr (USP)	1.045 -1.055

Storage: Maintain in unopened original packaging (protected from sunlight) and in a cool, dry containment.

Packaging: 200 Kg (NET) in PVDF-lined steel drums.

Re-test: 24 months after production date in original packaging under recommended storage conditions.

Properties:

Octocrylene is an oil-soluble UVB filter and offers additional absorption in the short-wave UVA spectrum.

It is an excellent solubilizer for crystalline UV absorbers and due to its outstanding photostability, it is used as photostabilizer and is ideal for formulation water-resistant sunscreen products.

Octocrylene is approved world-wide (maximal concentration varies according to local regulation).