

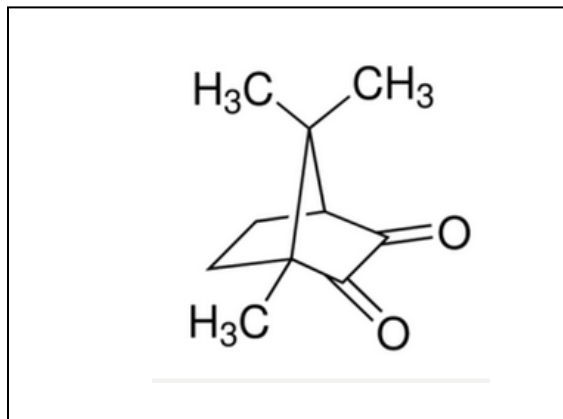


Camphorquinone FP 5060

General

Camphorquinone is a free flowing yellow-orange powder formulated for use as a photoinitiator in dental applications.

This high purity material absorbs UV radiation in the region of 200-300nm due to the $\Pi-\Pi^*$ transition and visible light (400-500nm) due to the n, Π^* transition of the α -dicarbonyl chromophore. Being a 1,2-dione, CQ photobleaches, producing excellent whites.



Chemical structure:

Product information

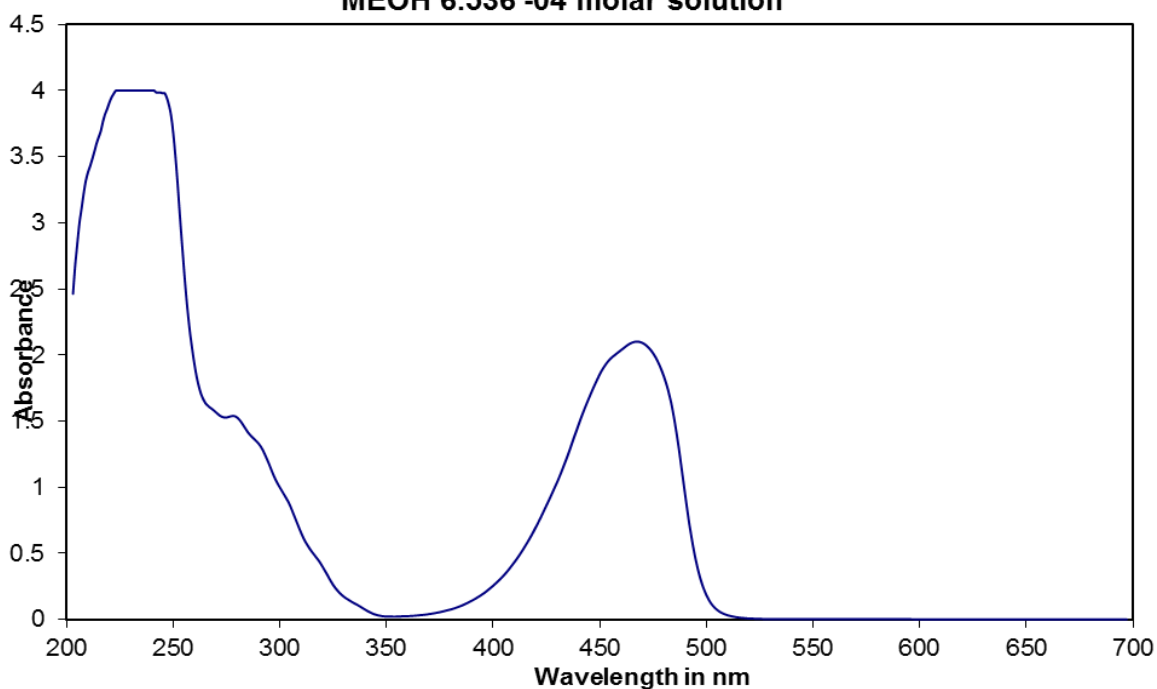
PRODUCT TYPE:	Photo initiator
PRODUCT NAME:	Camphorquinone
CAS NUMBER:	10373-78-1
TRADE NAMES:	Camphorquinone, 2,3 Bornanedione
APPLICATIONS:	Dental restoration
KEY FEATURES:	High purity photobleaching photoinitiator.
PACKAGING:	Sold as a solid
REGISTRATIONS:	AICS, DSL, EINECS, TSCA
SHELF LIFE:	1 year when stored indoors at 25 (+/- 5) deg C

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Typical specifications

APPEARANCE:	YELLOW-ORANGE POWDER
PURITY:	97.0% MINIMUM
MELTING POINT:	198- 201oC (CAP)
IR:	MATCH STANDARD
SOLUBILITY IN METHANOL:	CLEAR TO SLIGHT YELLOW

**U V ABSORPTION SPECTRUM OF CAMPHORQUINONE 1% IN
MEOH 6.536 -04 molar solution**



Safety and Handling

Bis 4-cumyl Iodonium TetraPhenyl Borate should be handled in accordance with good industrial practice. Detailed information is provided in the SDS.

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