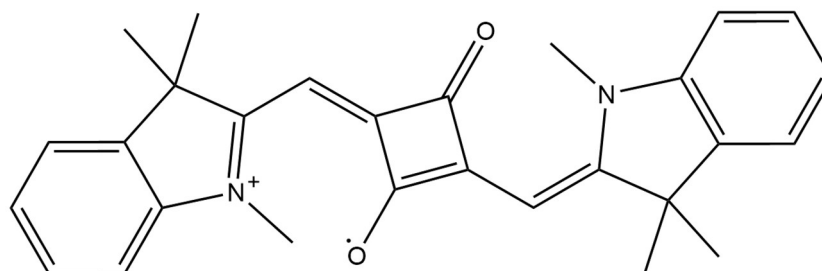


TMISQ
FP 5490**General**

TMISQ is a squaraine sensitizing dye designed to increase the UV energy absorption outside the normal range of the photoinitiator. This increases the effective spectral range, transferring this energy to the photoinitiator. This is especially effective with HABIs.

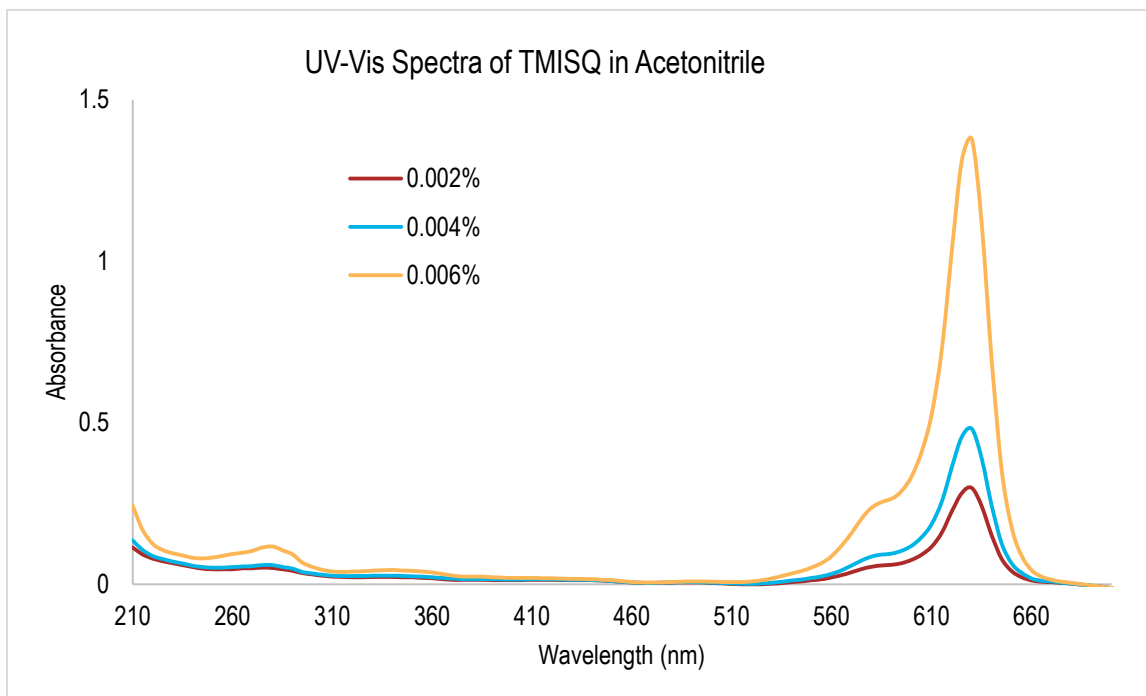
Chemical Structure**Product Information**

Product Type:	Sensitizer; Sensitizing Dye
CAS Number:	12243-46-8
Product Name:	TMISQ
Synonyms:	Cyclobutenediylum, 1,3-bis[(1,3-dihydro-1,3,3-trimethyl-2H-indol-2-ylidene)methyl]-2,4-dihydroxy-, bis(inner salt)
Applications:	Electronics; Holographic Dyes/Films
Key Features:	Photosensitizer; Visible Light Absorbance; Pairs with HABIs; Red Light Absorbance

Typical Properties

Appearance:	Dark Green Powder
λ Max:	629 – 635nm
Melting Point:	307 – 316°C (Capillary)
Molecular Weight:	424.5 g/mole

Absorption Spectrum



Safety and Handling

Keep the container tightly closed. Store in a cool and dark place. Store away from incompatible materials such as oxidizing agents. Handle in a well-ventilated area with suitable protective equipment. Use local exhaust if dust will be generated.

TMISQ is sensitive to visible light. Exposure to sunlight should be avoided.

Detailed information is provided in the SDS.

For additional information visit our website www.hampfordresearch.com.