Hampford Research INC
Handcrafted Solutions For A High-Tech World

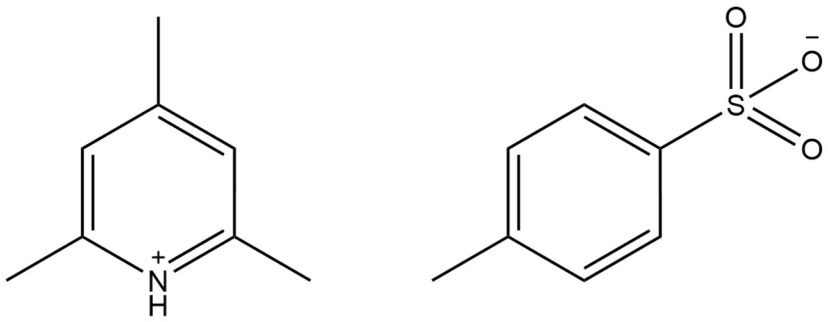
2,4,6-Trimethylpyridinium Tosylate
FP 5552

General

2,4,6-TMP is a heterocyclic UV photoacid generator (PAG) used to initiate polymerization in epoxies, epoxy silicones, oxetanes, vinyls and many other monomers. 2,4,6-TMP is commonly used in the production of semiconductor resists.

In chemistry, 2,4,6-TMP Tosylate is used as a condensation catalyst as well as a mild glycosylation catalyst. 2,4,6-TMP is offered with low trace metals.

Chemical Structure



Product Information

Product Type:	Photoacid Generator, Cationic Photoinitiator, Thermal Acid Generator
CAS Number:	59229-09-3
Product Name:	2,4,6-Trimethylpyridinium Tosylate
Synonyms:	Collidinium tosylate; Pyridine, 2,4,6-trimethyl-, 4-methylbenzenesulfonate (1:1); 2,4,6-Collidinium p-toluenesulfonate; CPTS; 2,4,6-TMP
Key Features:	PAG; Low Trace Metals; High Purity; Semiconductor Resists

Typical Properties

Appearance:	White Powder
λ Max:	220 & 267nm
Melting Point:	124 - 128 °C
Molecular Weight:	293.38 g/mole

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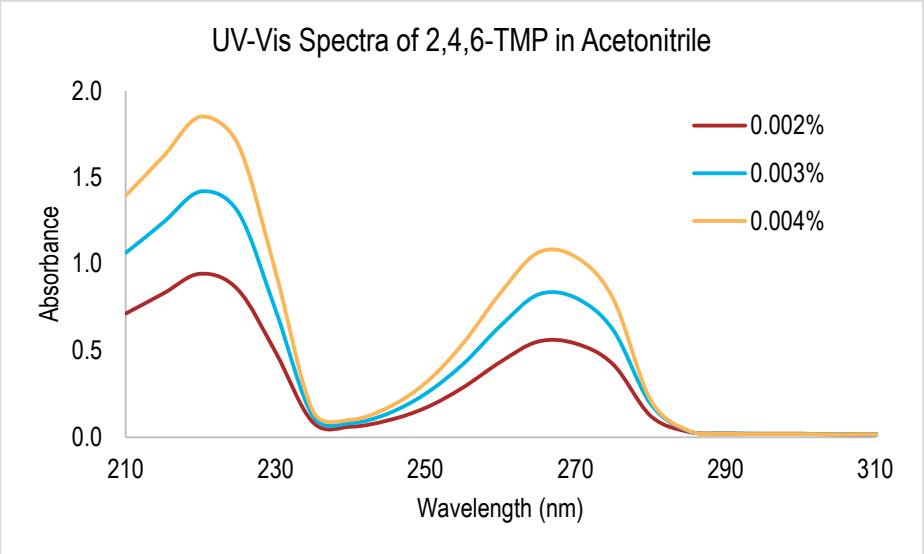
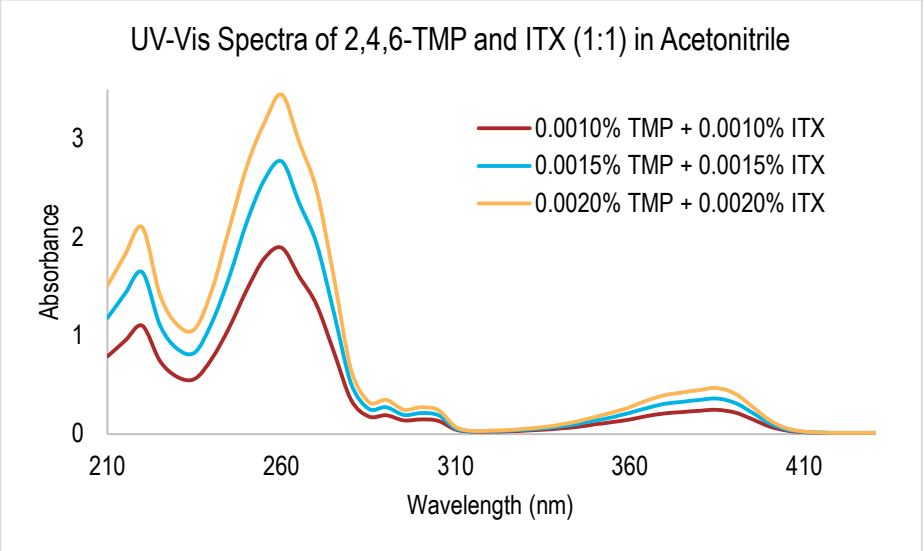
Absorption Spectrum





Suggested Starting Formulation

2,4,6-TMP should be added between 1-3% by mass, for use with broad spectrum mercury lamps. For LED applications, equal amounts of sensitizer (i.e. ITX or 9,10-DEA) should be used to help facilitate curing.

Safety and Handling

Keep the container tightly closed. Store in a cool and dark place. Material is photosensitive, do not expose to sunlight or visible light. Handle in a well-ventilated area with suitable protective equipment. Detailed information is provided in the SDS. One year shelf-life when stored at 25°C.

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

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