



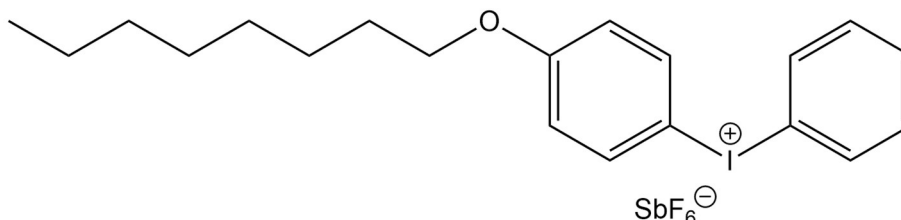
OPPI **FP 5386**

General

OPPI is a non-symmetrical iodonium UV photoacid generator (PAG) used to initiate the polymerization in epoxies, epoxy silicones, oxetanes, vinyls and many other monomers.

Because of its high solubility, OPPI exhibits very little tendency to migrate to the surface, making it ideal for UV lithographic printing and pressure sensitive adhesives. If faster cure speed is required, OPPI can be sensitized with thioxanthenes or anthracenes.

Chemical Structure



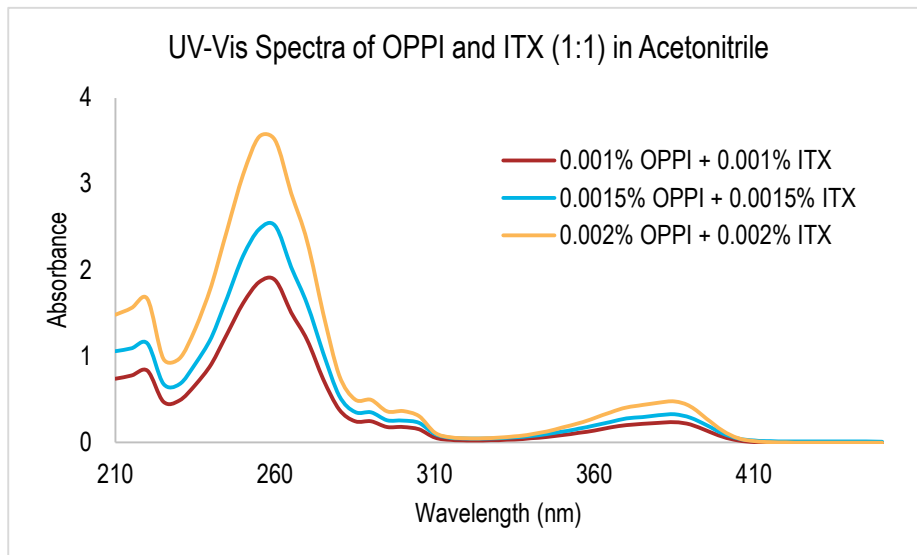
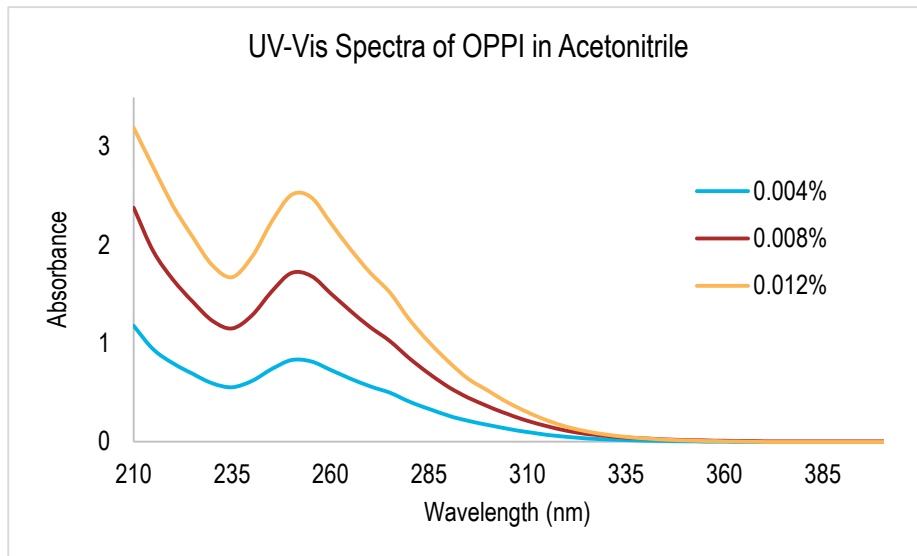
Product Information

Product Type:	Photoacid Generator
CAS Number:	121239-75-6
Product Name:	(4-Octyloxyphenyl)phenyliodonium hexafluoroantimonate
Synonyms:	[4-(Octyloxy)phenyl](phenyl)iodonium Hexafluorostibate(V); LEDCur 5386; OPPI
Key Features:	High Solubility; High-speed Photoacid Generator; Epoxy, Vinyl and Oxetane Photopolymerization

Typical Properties

Appearance:	White to Light Yellow Solid
Melting Point:	56 – 62°C
Molecular Weight:	645.08 g/mole

Absorption Spectrum



Suggested Starting Formulation

OPPI 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.