



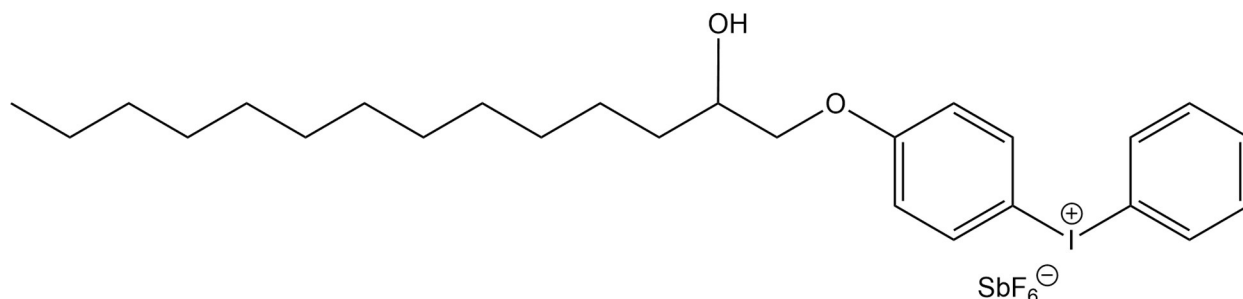
HPPI FP 5225

General

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

Because of its high solubility and rapid cure rate, HPPI exhibits very little tendency to migrate to the surface, making it ideal for UV lithographic printing and pressure sensitive adhesives. For expanded UV LED range, HPPI can easily be sensitized with thioxanthenes, anthracenes, or many other sensitizers.

Chemical Structure



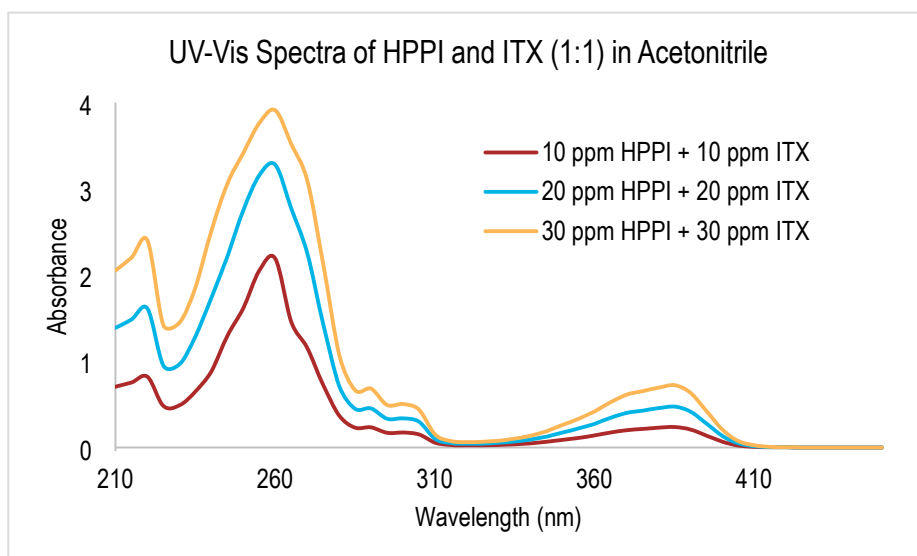
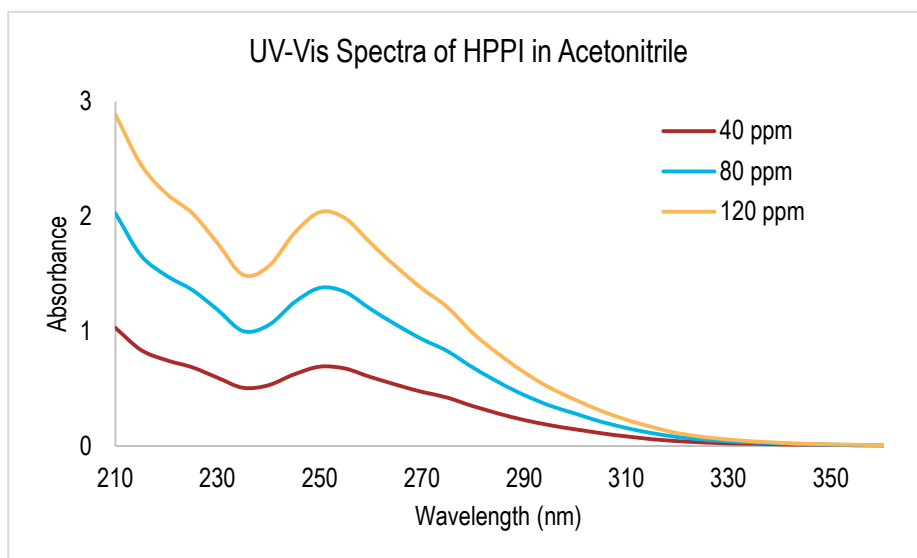
Product Information

Product Type:	Photoacid Generator
CAS Number:	139301-16-9
Product Name:	[4-[(2-Hydroxytetradecyl)oxy]phenyl]phenyliodonium hexafluoroantimonate
Synonyms:	[p-(2-Hydroxytetradecyloxy)phenyl]phenyliodonium hexafluoroantimonate; HPPI 5225
Key Features:	High Solubility; High-speed Photoacid Generator; Epoxy, Vinyl and Oxetane Photopolymerization

Typical Properties

Appearance:	White to Off-White Solid
Melting Point:	92 – 98°C
Molecular Weight:	745.23 g/mole

Absorption Spectrum



Suggested Starting Formulation

HPPI 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, 9,10-DEA, or a sensitizer of your choice) should be used to help expand the absorbance range.

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.