



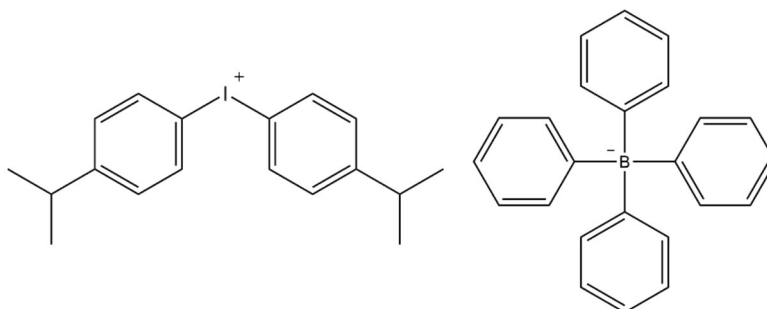
Bis Cumyl Iodonium TPB **FP 5028**

General

FP5028 is a non-yellowing, highly soluble, heavy metal-free, iodonium UV photoacid generator (PAG) used to initiate photopolymerization in epoxies, epoxy silicones, oxetanes, and many other monomers.

Because of its high solubility, FP5028 exhibits very little tendency to migrate to the surface, while allowing the customer to make highly concentrated blends. If needed, this product can be sensitized with thioxanthenes or anthracenes for higher wavelength LED light sources.

Chemical Structure



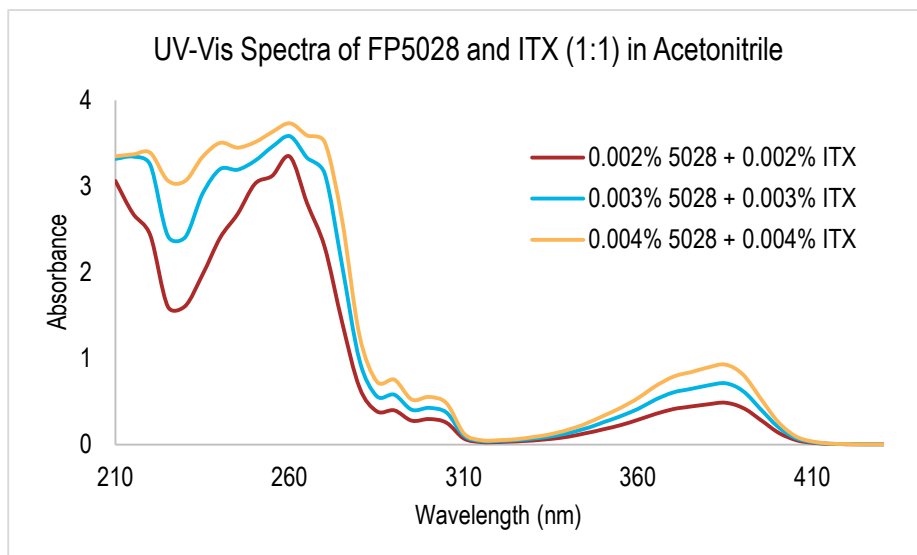
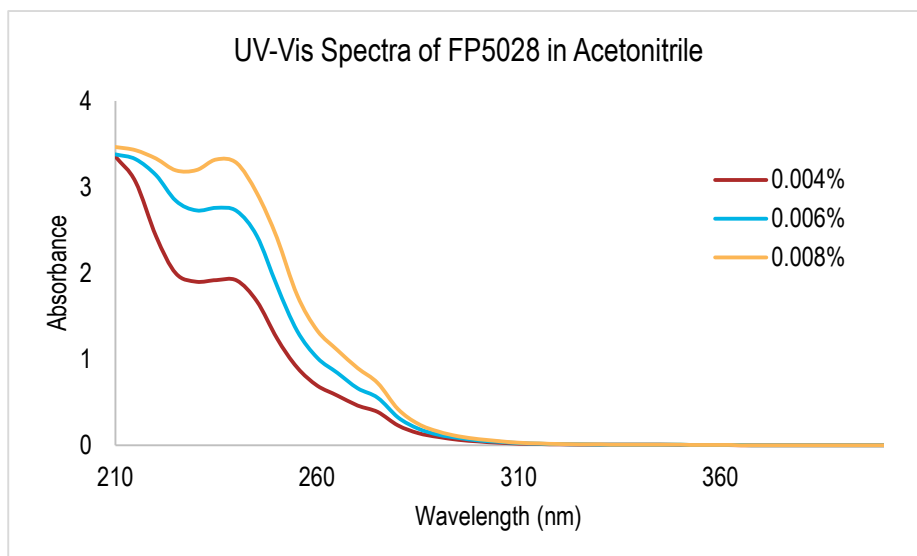
Product Information

Product Type:	Photoacid Generator
CAS Number:	1158840-74-4
Product Name:	Bis(4-cumyl)iodonium tetraphenylborate
Synonyms:	Bis(4-isopropylphenyl)iodonium tetraphenylborate; Iodonium, bis[4-(1-methylethyl)phenyl]-, tetraphenylborate(1-) (1:1); FP5028
Key Features:	High Solubility; High Speed; Heavy Metal-Free Formula; Non-Yellowing

Typical Properties

Appearance:	White Solid
Purity:	97% Minimum
Melting Point:	183 - 193°C
Molecular Weight:	684.50 g/mole

Absorption Spectrum



Suggested Starting Formulation

FP5028 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.