



## Hampford Research INC

Handcrafted Solutions For A High-Tech World

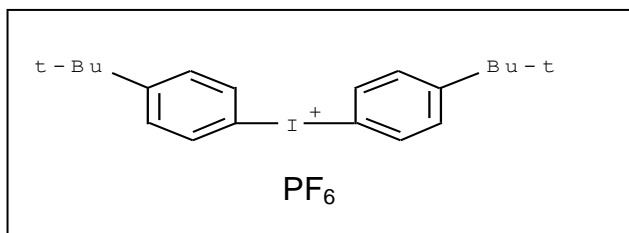
# Bis (4-t-butylphenyl) Iodonium Hexafluorophosphate FP 5035

### General

Bis (4-t-butylphenyl) Iodonium Hexafluorophosphate is a highly efficient UV curing agent used to initiate the photopolymerization of prepolymers in combination with mono or multifunctional monomers.

Bis (4-t-butylphenyl) Iodonium Hexafluorophosphate's unique synthesis method provides unmatched solubility, cure speed and color resolution, making it ideal for printing and coating applications.

### Chemical structure



### Product information

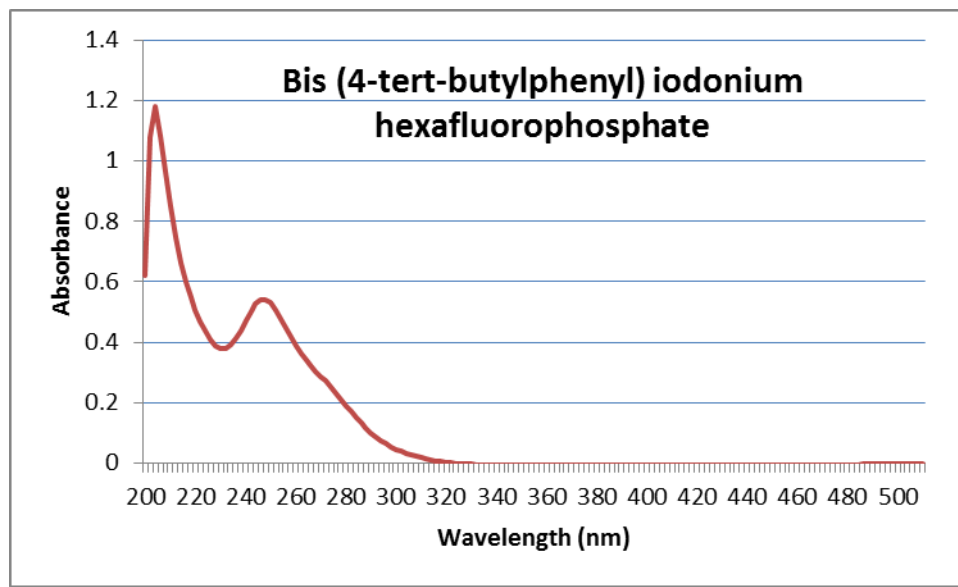
CHEMICAL TYPE:	Photo Acid Generator
CHEMICAL NAME:	Bis (4-tert-butylphenyl) iodonium hexafluorophosphate
TRADE NAMES:	t-butyl iodonium PF6
CAS NUMBER:	61358-25-6
HRI CODE:	FP5035
APPLICATIONS:	Photoacid Generator
REGISTRATIONS:	TSCA, EINECS
SHELF LIFE:	1 year when stored indoors at 25 (+/- 5) deg C

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## Typical Properties

APPEARANCE:	White Powder
INFRARED SPECTRUM:	Matches Standard
PURITY:	97% Minimum
MELTING POINT:	170°C Minimum (Clear Melt)
SOLUBILITY:	Complete

## Absorption Spectrum



**Packaging:** 5kg, 20kg

## Suggested starting formulation

Bis (4-tert-butylphenyl) iodonium hexafluorophosphate should be added between 1-3% for use with broad spectra mercury lamps. For LED applications, equal amounts of sensitizer (i.e. ITX or 9,10 DEA) should be used to help facilitate surface cure.

## Safety and Handling

Product should be handled in accordance with good industrial practice. Detailed information is provided in the SDS.

Product is sensitive to visible light and any exposure to sunlight should be avoided.