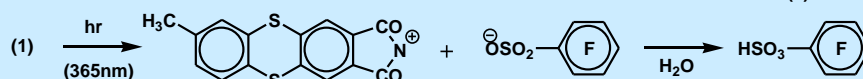
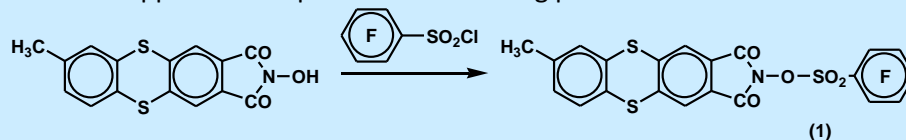


Pentafluorobenzenesulfonyl chloride

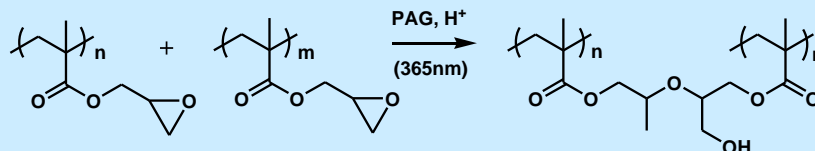
C₆F₅-SO₂Cl

Purity	97%
CAS Number	832-53-1
Molecular Formula	C ₆ ClF ₅ O ₂ S
Molecular Weight	266.58

Nonionic photoacid generator with N-hydroxyimide pentafluorobenzene-sulfonate ester bond. Solubility in polymers, suppression of equipment contamination, heat resistance, better quantum yield than C₄F₉SO₃⁻ and CF₃SO₃⁻. Application to photo cationic curing paint.



Application



Negative photoresist (thioanthracenimide ester composition)

No.	Cationic species	Decomposition temp. (°C)	ε (365nm)	70% curing irradiation
1	CF ₃ SO ₃ ⁻	154	1120	450mJ/cm ²
2	C ₆ F ₅ SO ₃ ⁻	196	1640	450mJ/cm ²

Photochemistry Reviews.34,2018, p41-51

Prog.Org.Coat., 64, 2009, p175-181, 参考 2012/0289697

Properties:

Appearance	Liquid
Boiling point, °C	210-211
Melting point, °C	-
Flash point, °C	-

Capacity:	150kg/month
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Packing:	-
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UN, PG:	-
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