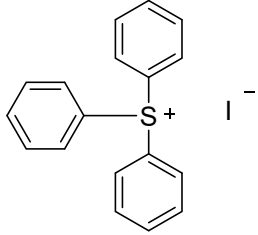
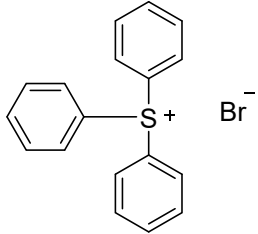
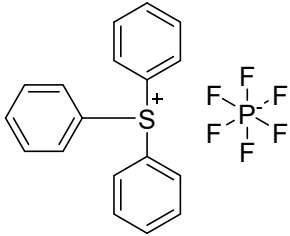
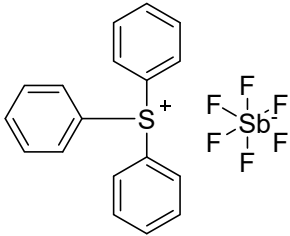
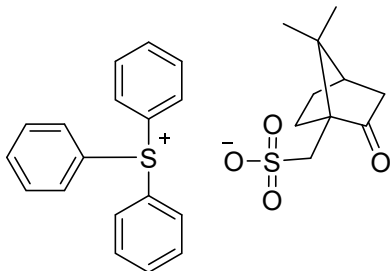


Photo Acid Generator Data Sheet

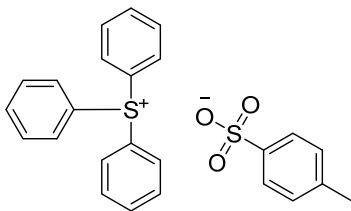
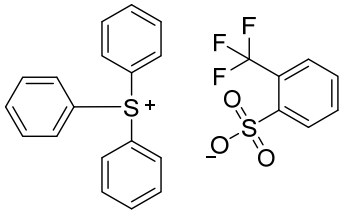
ROSINO Ionic PAGs

Product code	Chemical Structure	Properties	Features
PAG 751		CAS# 159120-95-3 Mixed triarylsulfonium hexafluoroantimonate salt Powder or 50% solution in propylene carbonate	245nm 312nm
PAG 752		CAS# 68156-13-8 & 74227-35-3 Mixed triarylsulfonium hexafluorophosphate salt Powder or 50% solution in propylene carbonate	245nm 312nm
PAG 762		CAS# 66003-78-9 Strong acid (triflic acid) generation m.p. 133°C	Deep UV
PAG 763		CAS# 144317-44-2 Low diffusion strong acid (nonaflic acid) generation m.p. 84~88 °C	Deep UV

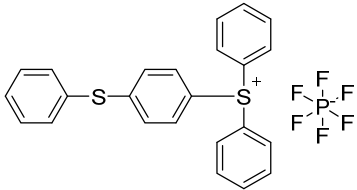
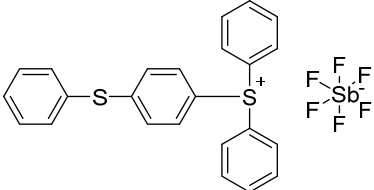
ROSINO Ionic PAGs

Product code	Chemical Structure	Properties	Features
PAG 797		CAS# 3744-08-9 Triphenylsulfonium iodide	
PAG 798		CAS# 3353-89-7 Triphenylsulfonium bromide	
PAG 765		CAS# 57835-99-1 Triphenylsulfonium hexafluorophosphate	Deep UV
PAG 763		CAS# 57840-38-7 Triphenylsulfonium hexafluoroantimonate	Deep UV
PAG 828		CAS# 227199-92-0 Triphenylsulfonium 10-camphorsulfonate	Deep UV

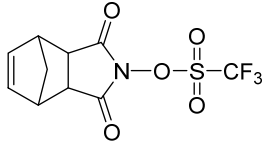
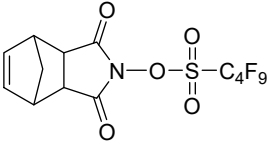
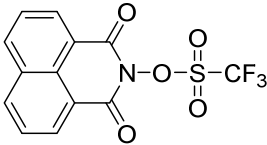
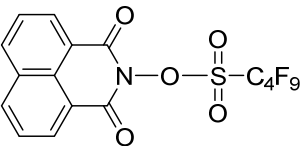
ROSINO Ionic PAGs

Product code	Chemical Structure	Properties	Features
PAG 829		CAS# 13891-29-7 Triphenylsulfonium <i>p</i> -toluenesulfonate	
PAG 889		CAS# 425670-97-9 Triphenylsulfonium 2-trifluoromethylbenzenesulfonate	

ROSINO Ionic PAGs

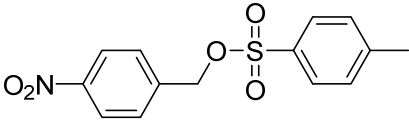
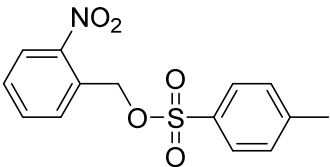
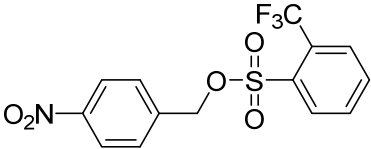
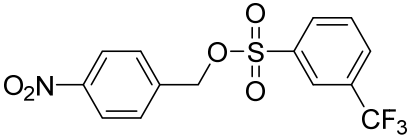
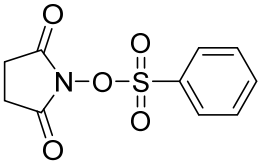
Product code	Chemical Structure	Properties	Features
PAG 761		CAS# 75482-18-7 Diphenyl[(phenylthio)phenyl]sulfonium hexafluorophosphate Powder	
PAG 764		CAS# 71449-78-0 Diphenyl[(phenylthio)phenyl]sulfonium hexafluoroantimonate Powder	

ROSINO Non-ionic PAGs

Product code	Chemical Structure	Properties	Features
PAG 775		CAS# 133710-62-0 White powder Strong acid (triflic acid) generation m.p. 88~89 °C	Deep UV
PAG 776		CAS# 307531-76-6 White powder Low diffusion strong acid (nonaflic acid) generation m.p. 54~56 °C	Deep UV
PAG 776		CAS# 85342-62-7 White powder Strong acid (triflic acid) generation m.p. 210~214 °C	i-line
PAG 792		CAS# 171417-91-7 White powder Low diffusion Strong acid (nonaflic acid) generation m.p. 148.5~149.5 °C	i-line

Thermal Acid Generator Data Sheet

ROSINO Thermal acid generators

Product code	Chemical Structure	Properties	Features
TAG 774		CAS# 4450-68-4 White powder m.p. 101~102 °C	
TAG 779		CAS# 20444-09-1 White powder m.p. 101~102 °C	
TAG 793		CAS# 1942919-69-8 White powder m.p. 126~127 °C	
TAG 794		CAS# 1942919-70-1 White powder m.p. 101~102 °C	
TAG 771		CAS# 73674-58-5 White powder m.p. 96~98 °C	