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Supplementary Information on:

Novel photoacid generator for cationic photopolymerization

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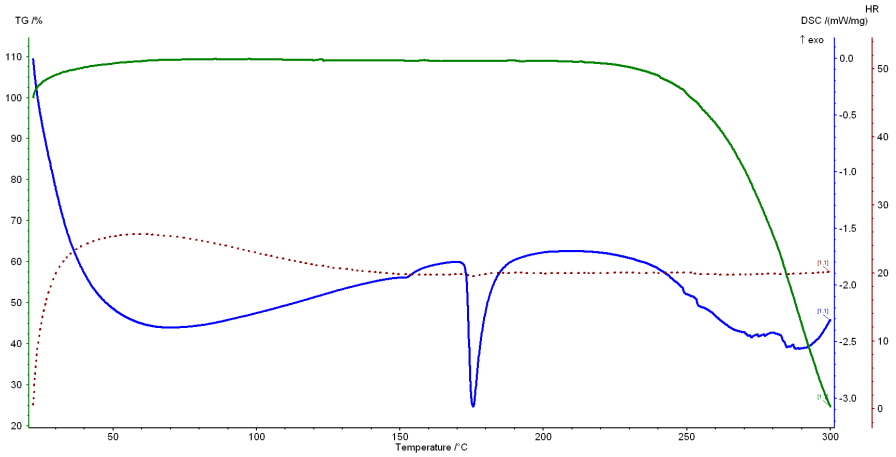

Figure 1 Simultaneous thermal analysis (STA) of **I-Al** with thermogravimetric analysis (TGA —) and differential scanning calorimetry (DSC —) curves and heating rate (—)

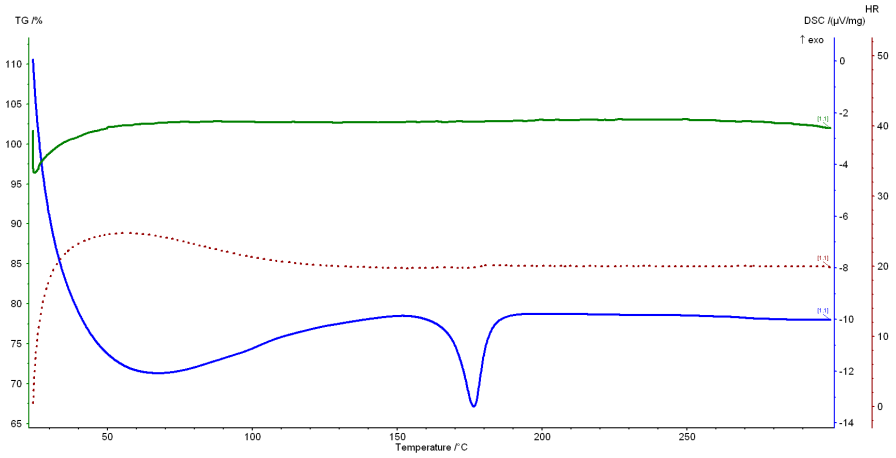

Figure 2 Simultaneous thermal analysis (STA) of **S-Al** with thermogravimetric analysis (TGA —) and differential scanning calorimetry (DSC —) curves and heating rate (—)

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Figures 1 and 2 show the STA plots of **I-Al** and **S-Al**, respectively. As the thermal stability is determined by the cation of the salts, all analyzed diphenyliodonium **PAG**s showed similar thermal degradation by a drop in the thermogravimetric curve and decomposition processes in the DSC-curve starting at 220 °C. All analyzed triarylsulfonium **PAG**s showed thermal stability below 300 °C by a constant thermogravimetric and DSC-Curve. The compared **PAG**s only differed in their melting points, which are characterized by an abrupt minimum in the DSC curve.