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### $\text{AlCl}_3$ -Mediated Aromatic Phenylthiation with N-Phenylthiophthalimide

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N-Phenylthiophthalimide reacts with  $\text{AlCl}_3$  or  $\text{TiCl}_4$  in arenes to give phenylthiated arenes alone *via* a phenylsulfenium ion intermediate, modified neglect of diatomic overlap (MNDO) molecular orbital calculations of which revealed that the positive charge preferentially populates the sulfur atom rather than the phenyl group in the phenylsulfenium ion.

