ECSOC Alternative synthesis of phosphonate derivatives of 9,10-dihydro-9oxa-10-phosphaphenanthrene-10-oxide 2023







DOPO- O_{Me} is interest as ligand for hard transition metal centres, with the aim of developing luminescent mutifunctional coordination compounds. DOPO-O_{Allvl} is a potentially reactive flame retardant thanks to the presence of the terminal double bond, that opens the possibility of co-polymerization with suitable monomers.

The data provided were obtained on the basis of the 2023 patent WO2023094526A1, entitled "Preparation process of P(=O)-heteroatom derivatives of dibenzooxaphosphacycles", presented by our research group.