

Preparation and use of zinc amides

Abstract

The application relates to a reagent of the general formula



wherein R^1 , R^2 are, independently, selected from H, substituted or unsubstituted aryl or heteroaryl containing one or more heteroatoms, linear, branched or cyclic, substituted or unsubstituted alkyl, alkenyl, alkynyl, or silyl derivatives thereof; and R^1 and R^2 together can be part of a cyclic or polymeric structure; and wherein at least one of R^1 and R^2 is other than H; Y is selected from the group consisting of F; Cl; Br; I; CN; SCN; NCO; $HalO_n$, wherein $n = 3$ or 4 and Hal is selected from Cl, Br and I; NO_3 ; BF_4 ; PF_6 ; H; a carboxylate of the general formula R^XCO_2 ; an alcoholate of the general formula OR^X ; a thiolate of the general formula SR^X ; $R^XP(O)O_2$; or $SCOR^X$; or $SCSR^X$; O_nSR^X , wherein $n = 2$ or 3 ; or NO_n , wherein $n = 2$ or 3 ; and a derivative thereof; wherein R^X is a substituted or unsubstituted aryl or heteroaryl containing one or more heteroatoms, linear, branched or cyclic, substituted or unsubstituted alkyl, alkenyl, alkynyl, or derivatives thereof, or H; or as adduct with a solvent; as well as to the preparation and use thereof.

No suitable figure