Preparation and use of zinc amides

Abstract

The application relates to a reagent of the general formula
R^1R^2N-ZnY LiY (I)
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