Chiral bromine-lithium exchange catalysed by diamines

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Abstract - We report one of the first chiral halogen-lithium exchange.[1,2] Different classes of prochiral polybromides compounds have been tested in a chiral bromine-lithium exchange in presence of different diamines with enantiomeric excess up to 63%. The first catalytic desymmetrisation of the 2,2',6,6'-tetrabromobiphenyl 1 and analogues was described by the bromine-lithium exchange catalyzed by 0.5 eq. of either diamines or diether derivatives.[3]


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