

Title (en)
PROCESS FOR ALKYL ARYL SULFIDE DERIVATIVES AND NEW SULFIDE COMPOUNDS

Title (de)
VERFAHREN FÜR ALKYLARYLSULFIDDERIVATE UND NEUE SULFIDVERBINDUNGEN

Title (fr)
PROCEDE DE PREPARATION DE DERIVES DE SULFURE D'ALKYLARYLE ET NOUVEAUX COMPOSES DE SULFURE

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Application
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Abstract (en)
[origin: WO2006043797A1] The present invention provide a process for preparing an alkyl aryl sulfide of Chemical Formula (I I I) characterized in that an aryl halogen compound of Chemical Formula (I) is substituted with an alkyl lithium organometallic reagent, and subsequently reacted with a compound of Chemical Formula (I I) , or an aryl halogen compound of Chemical Formula (I) is reacted with Grignard reagent to protect the hydrogen-donating substituent, and then reacted with an alkyl lithium organometallic reagent, and subsequently with sulfur and a compound of Chemical Formula (I I) . According to the process of the invention , an alkyl aryl sulfide of Chemical Formula (I I I) can be prepared via one-step reaction without separation or purification of an intermediate compound from various aryl halogen compounds in a short reaction time with high yield. Several compounds among those compounds represented by Chemical Formula (I I I) are novel compounds.

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8. **C07C 319/14 + C07C 323/32**
9. **C07C 319/14 + C07C 323/36**
10. **C07C 319/14 + C07C 323/52**

Citation (search report)
• [PX] JUNGYEOB HAM AND HEONJOONG KANG: "A highly efficient synthesis of antiobestic ligand GW501516 for the peroxisome proliferator-activated receptor delta through in situ protection of the phenol group by reaction with a Grignard reagent", TETRAHEDRON LETTERS, vol. 46, 2005, pages 6683 - 6686, XP002556904
• [X] J. DUPONT ET AL: "Reactions of Cyclopalladated Compounds. Part 21. Various Examples of Sulphur-assisted Intramolecular Palladation of Aryl and Alkyl Groups", J. CHEM. SOC. DALTON TRANS., 1989, pages 1715 - 1720, XP002556950
• See references of WO 2006043797A1

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