

Two-fold modification of the phenyl substituent in phenylphosphonic acid monoester monoamides.

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Streszczenie

Phenylphosphonic acid ethyl ester *N,N*-diethylamide was subjected to a double modification of its phenyl substituent through directed *ortho*-metalation followed by dearomatization of the aryl substituent under Birch reduction conditions. Application of the same methodology to a diastereomerically pure phenylphosphonic acid monoester monoamide led to the formation of *P*-stereogenic cyclohexadienyl-phosphonic acid derivatives. The method offers a simple and efficient modification of phenyl substituent in organophosphorus compounds.

Adres publiczny

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Strona internetowa wydawcy

<https://www.acs.org/content/acs/en.html>