Supplementary Material

Stereoselective one-pot five-component synthesis of polysubstituted 1,4,5,6-tetrahydropyridines with two and three stereocenters

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Methyl (4RS,6SR)-5,5-dicyano-2-methyl-4,6-bis(3-methyl)phenyl-1,4,5,6-tetrahydropyridine-3-carboxylate (5b)
Methyl (4RS,6SR)-5,5-dicyano-2-methyl-4,6-bis(2-fluorophenyl)-1,4,5,6-tetrahydropyridine-3-carboxylate (5c)
Methyl (4RS,6SR)-5,5-dicyano-2-methyl-4,6-bis(3-chlorophenyl)-1,4,5,6-tetrahydropyridine-3-carboxylate (5d)
Ethyl (4RS,6SR)-5,5-dicyano-2-methyl-4,6-diphenyl-1,4,5,6-tetrahydropyridine-3-carboxylate (5g)

Found: 22% impurity, %
Methyl (4RS,6SR)-5,5-dicyano-2-ethyl-4,6-bis(4-chloro)phenyl-1,4,5,6-tetrahydropyridine-3-carboxylate (5i)
Methyl (4RS,6SR)-5,5-dicyano-2-ethyl-4,6-bis(4-nitro)phenyl-1,4,5,6-tetrahydropyridine-3-carboxylate (5j)
Methyl (4RS,6SR)-5,5-dicyano-2-phenyl-4,6-bis(4-methoxy)phenyl-1,4,5,6-tetrahydropyridine-3-carboxylate (5k)
Ethyl (4RS,6SR)-5,5-dicyano-2-phenyl-4,6-diphenyl-1,4,5,6-tetrahydropyridine-3-carboxylate (5l)
Ethyl (4RS,6SR)-5,5-dicyano-2-phenyl-4,6-bis(4-chloro)phenyl-1,4,5,6-tetrahydropyridine-3-carboxylate (5m)
Methyl (4RS,6SR)-5,5-dicyano-2-(4-bromo)phenyl-4,6-bis(4-methyl)phenyl-1,4,5,6-tetrahydropyridine-3-carboxylate (5n)
5-ethyl-3-methyl (4RS,5SR,6RS)-5-cyano-2-(4-chloro)phenyl-4,6-bis(4-bromo)phenyl-1,4,5,6-tetrahydropyridine-5,3-carboxylate (5o)
5-ethyl 3-methyl (4RS,5SR,6RS)-5-cyano-2-(4-chloro)phenyl-4,6-bis(4-chloro)phenyl-1,4,5,6-tetrahydropyridine-5,3-carboxylate (5p)
Correlations of 5o spectra
Correlations of 6 spectra