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NaF treatment increases TNF-α and resistin concentrations and reduces insulin signal in rats

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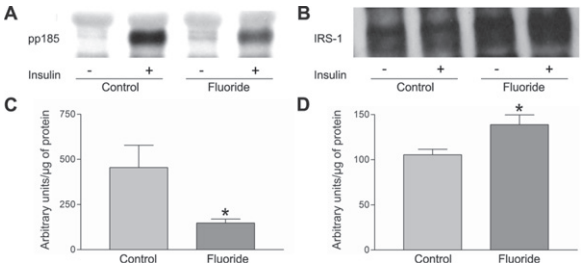

Insulin-stimulated tyrosine phosphorylation status of pp185 (IRS-1/IRS-2) and insulin-stimulated serine phosphorylation status of IRS-1 in white adipose tissue (WAT) of control and F groups, before (-) and after (+) insulin infusion. In A and B, typical autoradiogram of insulin-stimulated tyrosine phosphorylation tatus of pp185 (IRS-1/IRS-2) and serine phosphorylation status of IRS-1 in WAT, respectively. C and D show data after insulin infusion, expressed in arbitrary units per mg of protein (mean ± SEM, n = 6). *$p < 0.05$ compared to control group.

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An expeditious and efficient synthesis of symmetrical tris(indolyl)methanes under catalyst-free conditions in fluorinated alcohols

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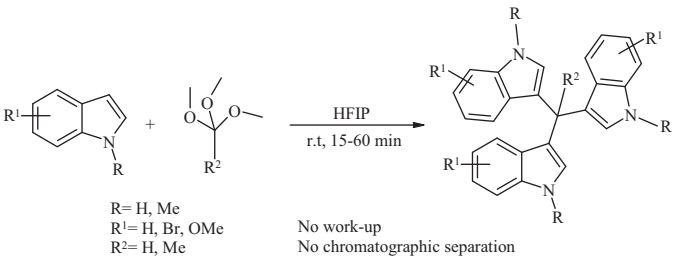
Department of Chemistry, Ayatollah Amoli Branch, Islamic Azad University, Amol, Iran

Tris(indolyl)methanes derivatives were synthesized in excellent yield in hexafluoro-2-propanol.



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Coupling of sterically hindered aldehyde with fluorinated synthons: Stereoselective synthesis of fluorinated analogues of salinosporamide A

Zeng-Hao Chen[a], Bing-Lin Wang[a], Andrew J. Kale[b], Bradley S. Moore[b], Ruo-Wen Wang[a], Feng-Ling Qing[a]

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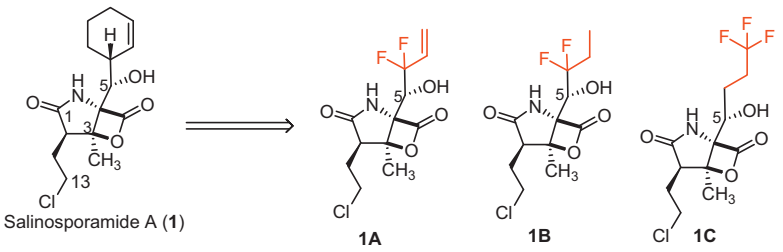

doi:10.1016/S0022-1139(12)00065-6

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Efficient synthesis of 5′-fluoroalkoxythiazoles via α-bromo-α-fluoroalkoxyacetophenones Hantzsch type cyclization with thioureas or thioamides

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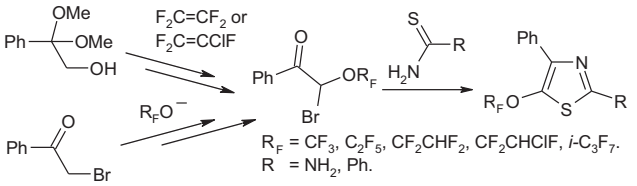

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Convenient synthesis of α-perfluoroaryl and α-perfluorohetaryl substituted α-aminomethanephosphonates

Nataliya S. Goulioukina, Alexander Y. Mitrofanov, Irina P. Beletskaya

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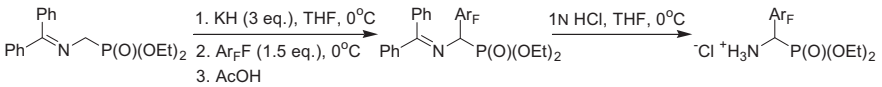
The first application of phosphoglycine Schiff bases in the reaction of nucleophilic aromatic substitution is disclosed. The method was found to be suitable for preparing of a-perfluoro(het) aryl substituted aminomethanephosphonates.



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Interaction of quinolines polyfluorinated on the benzene moiety with sodium and potassium amides in liquid ammonia

Larisa Yu. Gurskaya, Galina A. Selivanova, Vitalij D. Shteingarts

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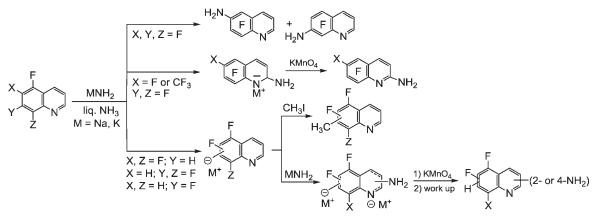
Quinolines polyfluorinated on the benzene moiety display three types of reactivity with MNH_2 (M = Na, K), such as the NH_2 addition on the 2-position, aminodefluorination or deprotonation of the C–H bond flanked with two fluorine atoms, depending on the substituents set.



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Regioselective synthesis of 5-ethoxycarbonyl-, 5-acetyl- and 5-trifluoroacetyl-6-trifluoromethylsalicylates by one-pot cyclizations of 1,3-bis(trimethylsilyloxy)-1,3-butadienes with 3-alkoxy-2-alken-1-ones

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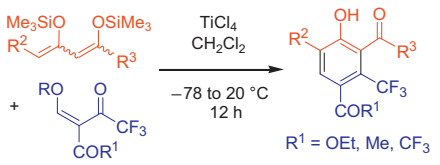

5-Ethoxycarbonyl-, 5-acetyl- and 5-trifluoroacetyl-6-trifluoromethylsalicylates were efficiently prepared by one-pot cyclizations of 1,3-bis(trimethylsilyloxy)-1,3- butadienes with 3-alkoxy-2-alken-1-ones.