

Dear Readers,

Academician of RAS, Dr. Irina P. Beletskaya proposed to introduce the new author's rubric "News" starting from the very first issue of year 2000. In the above rubric Irina Petrovna will present abstracts of the most interesting works from her point of view that were published in the world and related to the field of fluoroorganic chemistry.

Looking forward for your feedback and comments.

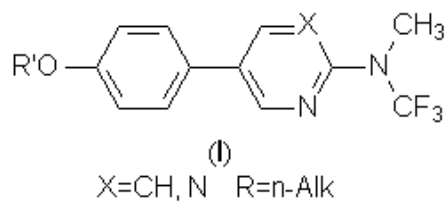
Best regards,
Editorial staff

Synthesis and properties of novel liquid crystals containing a trifluoromethylamino group.

Kiyoshi Kanie, Katsuya Mizuno, Manabu Kuroboshi, Sadao Takehara and Tamejiro Hiyama

Bull. Chem. Soc. Jpn., Vol. 72, 2523-2535.

Liquid crystals, containing a trifluoromethylamino group were prepared by the cross-coupling of p-bromo-substituted -(hetero)aryl(trifluoromethyl)amines, which in turn were derived from the corresponding dithiocarbamates through oxidative desulphurisation-fluorination. The liquid crystallinity and electrooptical properties (used in flat panel displays) of these compounds are better than those of the corresponding methylamines.



Light-triggered molecular switching devices

Chem. Eur.J., 1999, Vol. 5 N11, 3285.

Title:

Optical switching and fluorescence modulation properties of photochromic metal complexes derived from dityenyl-ethene ligands.

Authors:

A. Fernandez-Acebes, J.-M. Lehn

New photochromic W, Re, Ru-complexes (1-3) were synthesized. Irradiation of the open forms of complexes 1 and 2 with UV-light leads to photo cyclization with formation of deeply colored closed forms; the colorless open forms

can be regenerated by the irradiation with visible light. Complex 3 is photochemically stable.

