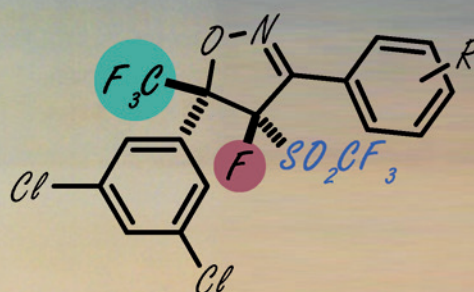


ISOXAZOLINES FOR ANTIPARASITICIDE



Communications:

Trifluoromethylated Isoxazoline Triflones
(N. Shibata)

N-Heteroaryl Iodonium Salts
(B. Olofsson)

Cover Picture

Hiroyuki Kawai, Yutaka Sugita, Etsuko Tokunaga, Hiroyasu Sato, Motoo Shiro, and Norio Shibata*

The cover picture shows diastereoselective additive trifluoromethylation/fluorination of isoxazole triflones, which provides biologically attractive, highly functionalized trifluoromethyl isoxazoline triflones. Triflones are compounds containing trifluoromethanesulfonyl groups (triflyl, SO_2CF_3). The triflyl group is the strongest electron-withdrawing group, equivalent to the nitro group, while the lipophilicity of the two is exactly opposite. Thus, introduction of the triflyl group into organic molecules is an effective method to dramatically alter the chemical properties of parent molecules without changing molecular complexities. Our highly functionalized 5-trifluoromethyl-2-isoxazoline derivatives are expected to be a new class of antiparasitics. The cover shows the Japanese painting "Tsuibamu" ("Pecking") by Mami Shibata: our novel isoxazoline triflones will support our life. For more details, see the Communication by Norio Shibata and co-workers, on p. 14 ff.

