

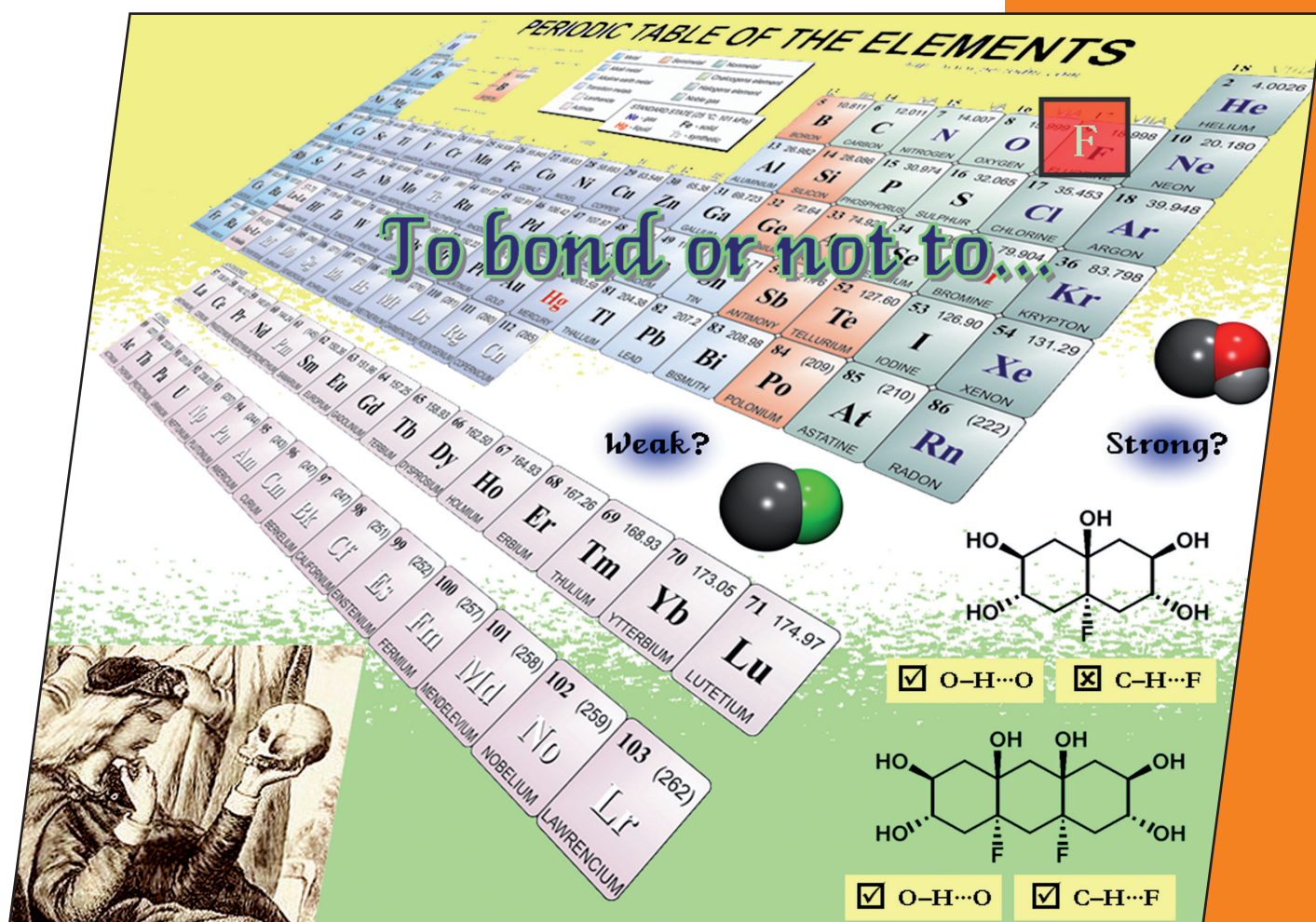
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# EurJOC

European Journal of  
Organic Chemistry

[18]

Eur. J. Org. Chem. 2010, 3349–3536



## Cover Picture

Goverdhan Mehta and Saikat Sen

Probing Fluorine Interactions in a Polyhydroxylated Environment

## Microreview

Teresa M. V. D. Pinho e Melo

4-Isoxazolines: Scaffolds for Organic Synthesis

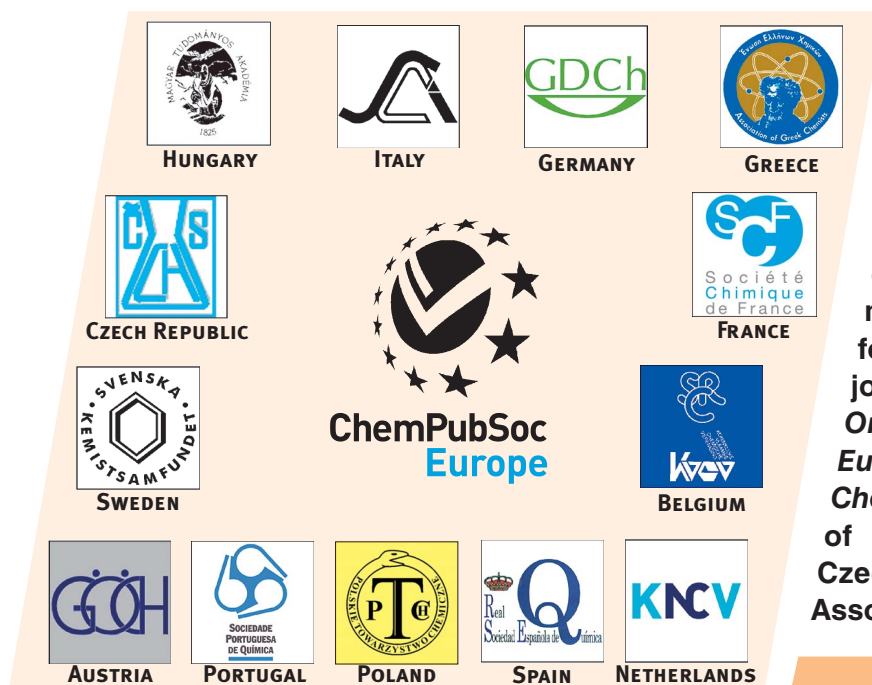
A Journal of



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EurJOC is co-owned by 11 societies of ChemPubSoc Europe, a union of European chemical societies for the purpose of publishing high-quality science. All owners merged their national journals to form two leading chemistry journals, the *European Journal of Organic Chemistry* and the *European Journal of Inorganic Chemistry*. Three further members of ChemPubSoc Europe (Austria, Czech Republic and Sweden) are Associates of the two journals.

Other ChemPubSoc Europe journals are *Chemistry – A European Journal*, *ChemBioChem*, *ChemPhysChem*, *ChemMedChem*, *ChemSusChem* and *ChemCatChem*.

## COVER PICTURE

The cover picture shows, with a wordplay of the famous phrase “To be or not to be ...” from William Shakespeare’s play *Hamlet*, the ambivalent nature of fluorine – the most electronegative element and known to form some of the strongest hydrogen bonds, as in  $[F-H\cdots F]^-$ . Notwithstanding this, “organic” fluorine makes some of the weakest hydrogen bonds (or none at all) known in molecular crystals. Our study, in this context, utilizes specially designed fluorinated polycyclitols to probe the capability of covalently bonded fluorine to engage itself in H-bonding even in the presence of its isostere – the hydroxy group. Details are discussed in the article by G. Mehta and S. Sen on p. 3387ff.

