

Sulfoximines, the monoaza analogues of sulfones, are stable compounds that offer a rich and versatile chemistry^[1]. They are, constitutionally and configurationally, compounds which can be easily manipulated owing to their unique structure (see figure below).

In contrast with sulfones, sulfoximines are readily soluble in protic solvents because of their low molecular weight and an additional mildly basic nitrogen atom for substitution. These features are causing sulfoximines to attract ever increasing attention in the field of medicinal chemistry.

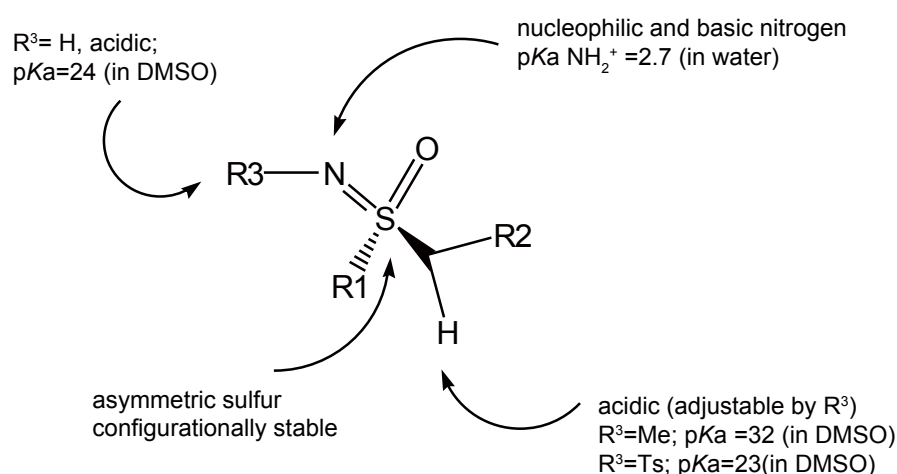


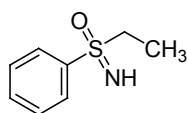
Figure Features of sulfoximines that account for their unusual chemical versatility^[2]

References :

[1] C. R. Johnson. Applications of sulfoximines in synthesis. *Aldrichimica Acta* **1985**, 18, 3-10.

[2] Ulrich Lücking. Sulfoximines: A Neglected Opportunity in Medicinal Chemistry. *Angew. Chem. Int. Ed.* **2013**, 52, 9399–9408

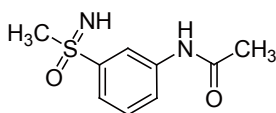
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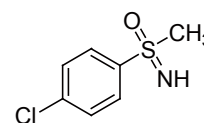
S-Ethyl-S-phenyl sulfoximine, 95%

179630



S-Methyl-S-(3-acetamidophenyl)
sulfoximine, 95%

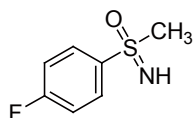
210984



22132-99-6

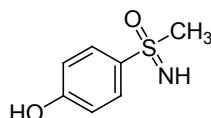
S-Methyl-S-(4-chlorophenyl)
sulfoximine, 95%

285251



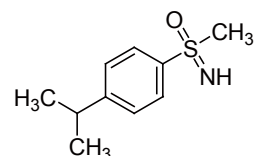
635311-89-6
S-Methyl-S-(4-fluorophenyl)
sulfoximine, 90%

118774



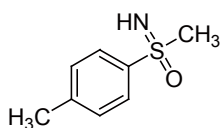
35543-41-0
S-Methyl-S-(4-hydroxyphenyl)
sulfoximine, 95%

171894



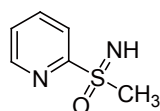
1085526-18-6
S-Methyl-S-(4-isopropylphenyl)
sulfoximine, 95%

180956



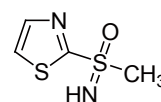
22132-97-4
S-Methyl-S-(4-methylphenyl)
sulfoximine, 95%

284133



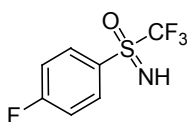
76456-06-9
S-Methyl-S-(2-pyridinyl) sulfoximine,
90%

296550



1116339-83-3
S-Methyl-S-(2-thiazyl) sulfoximine,
95%

263619



109139-20-0
S-Trifluoromethyl-S-(p-fluorophenyl)
sulfoximine, 95%