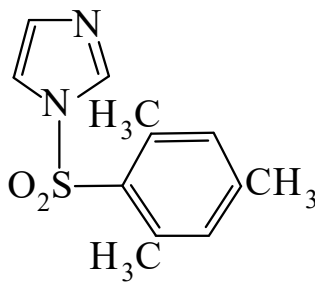




>>Entry Name: 1-[(2,4,6-Trimethylphenyl)sulfonyl]-1*H*-imidazole, 9CI

Synonym(s): Mesitylenesulfonylimidazole



CAS Registry Number: 50257-39-1

Molecular Formula: C₁₂H₁₄N₂O₂S

Molecular Weight: 250.321

Accurate Mass: 250.077598

Percentage Composition: C 57.58%; H 5.64%; N 11.19%; O 12.78%; S 12.81%

Use/Importance: Reagent for nucleotide and nucleoside bond formation

Melting Point: Mp 97-99°

Aldrich: 24422-8

Fluka: 63937

Sigma: M2390

References:

Aldrich Library of NMR Spectra, 2nd edn., 1983, **2**, 856A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 625C, (*ir*)

Berlin, Y.A. *et al.*, *Tet. Lett.*, 1973, 1353-1354, (*synth, use*)

Berlin, Y.A. *et al.*, *Bioorg. Khim.*, 1975, **1**, 1121-1129, (*synth, use*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1975, **5**, 434, (*synth, use*)