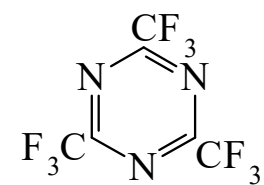




>>Entry Name: 2,4,6-Tris(trifluoromethyl)-1,3,5-triazine, 9Cl



CAS Registry Number: 368-66-1

Molecular Formula: C₆F₉N₃

Molecular Weight: 285.072

Accurate Mass: 284.994849

Percentage Composition: C 25.28%; F 59.98%; N 14.74%

Use/Importance: Heat transfer agent, mass spectrometry marker, nitrification inhibitor

Physical Description: Liq. with pungent odour

Melting Point: Fp -24.8°

Boiling Point: Bp 95-96°

Solubility: Insol. acids

Density: d₄²⁵ 1.593

Refractive Index: n_D²⁰ 1.3222

Hazard & Toxicity: Toxic to rats; irritates upper respiratory tract and eyes

Aldrich: 44398-0

References:

Reilly, W.L. *et al.*, *J.O.C.*, 1957, **22**, 698, (*synth, ir*)

Kober, E. *et al.*, *J.O.C.*, 1962, **27**, 2577, (*synth*)

Dawson, J.W. *et al.*, *Spectrochim. Acta A*, 1967, **23**, 1211, (*ir, Raman*)

Griffiths, J.E., *Am. Ind. Hyg. Assoc. J.*, 1972, **33**, 382; *CA*, **80**, 104553a, (*tox*)