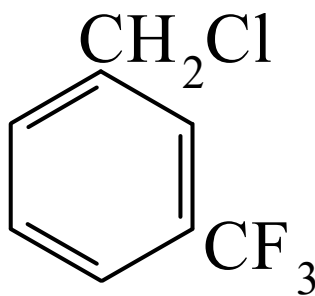




>>Entry Name: 1-(Chloromethyl)-3-(trifluoromethyl)benzene, 9Cl

Synonym(s): α' -Chloro- α,α,α -trifluoro-*m*-xylene, 8Cl. 3-Trifluoromethylbenzyl chloride. α,α,α -Trifluoro-*m*-tolyl chloride



CAS Registry Number: 705-29-3

Molecular Formula: C₈H₆ClF₃

Molecular Weight: 194.583

Accurate Mass: 194.011011

Percentage Composition: C 49.38%; H 3.11%; Cl 18.22%; F 29.29%

Use/Importance: Reagent for gc anal., e.g. of 2-Imidazolidinethione [DGL60-P](#)

Physical Description: Liq.

Boiling Point: Bp₂₀ 75-76°. Bp₁₂ 68-70°

Refractive Index: n_D²⁵ 1.4622

Aldrich: 16770-3

Fluka: 25103

References:

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Fuchs, R. *et al.*, *J.A.C.S.*, 1963, **85**, 104, (*synth*)

Yokoyama, T. *et al.*, *J.O.C.*, 1969, **34**, 1859, (*synth, pmr*)

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Blanco, F.E. *et al.*, *J.O.C.*, 1977, **42**, 868, (*synth*)