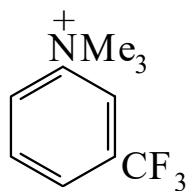




>>Entry Name: (3-Trifluoromethylphenyl)trimethylammonium(1+)

Synonym(s): *N,N,N*-Trimethyl-3-(trifluoromethyl)benzeneaminium(1+), 9Cl



Molecular Formula: C₁₀H₁₃F₃N⁽⁺⁾

Molecular Weight: 204.215

Accurate Mass: 204.100008

Percentage Composition: C 58.82%; H 6.42%; F 27.91%; N 6.86%

>>Derivative: Hydroxide

CAS Registry Number: 68254-41-1

Molecular Formula: C₁₀H₁₄F₃NO

Molecular Weight: 221.222

Accurate Mass: 221.102748

Percentage Composition: C 54.29%; H 6.38%; F 25.76%; N 6.33%; O 7.23%

Use/Importance: Reagent for methylation of fatty acids for glc anal.

Aldrich: 43113-3

Sigma: T1552

>>Derivative: Iodide

CAS Registry Number: 27389-57-7

Molecular Formula: C₁₀H₁₃F₃IN

Molecular Weight: 331.119

Accurate Mass: 331.004481

Percentage Composition: C 36.27%; H 3.96%; F 17.21%; I 38.33%; N 4.23%

Melting Point: Mp 242-243°

References:

Sommer, H.Z. *et al.*, *J.O.C.*, 1971, **36**, 824, (*synth, iodide*)

MacGee, J. *et al.*, *J. Chromatogr.*, 1974, **100**, 35, (*synth, use, hydroxide*)

McCreary, D.K. *et al.*, *J. Chromatogr.*, 1978, **16**, 329, (*use, hydroxide*)