



>>Entry Name: 2,2,2-Trifluoro-*N*-phenylacetamide, 9Cl

Synonym(s): α,α,α -Trifluoroacetanilide. *N*-(Trifluoroacetyl)aniline

CAS Registry Number: 404-24-0

F₃CCONHPh

Molecular Formula: C₈H₆F₃NO

Molecular Weight: 189.137

Accurate Mass: 189.040148

Percentage Composition: C 50.80%; H 3.20%; F 30.13%; N 7.41%; O 8.46%

Use/Importance: Reference material used in elemental microanalysis

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 88.5-90°

Rare Chemicals Library: S16783-5

References:

Bourne, E.J. *et al.*, *J.C.S.*, 1952, 4014, (*synth*)

Ungnade, H.E., *J.A.C.S.*, 1954, **76**, 5133, (*synth*)

Analyst (London), 1972, **97**, 740, (*microanal*)

Bradamante, S. *et al.*, *J.O.C.*, 1980, **45**, 114, (*pmr*, *cmr*, *F-19 nmr*)

Forbus, T.R. *et al.*, *J.O.C.*, 1987, **52**, 4156, (*synth*)

Keurni, T. *et al.*, *Bull. Chem. Soc. Jpn.*, 1990, **63**, 2252, (*synth*, *ir*)

Katritzky, A.R. *et al.*, *Synthesis*, 1999, 55-57, (*synth*, *pmr*, *cmr*)