



>>Entry Name: 1,1,1-Trifluoro-2-methyl-2-propanol, 9CI

Synonym(s): *gem*-Trifluoro-*tert*-butanol

CAS Registry Number: 507-52-8

$(\text{H}_3\text{C})_2\text{C}(\text{OH})\text{CF}_3$

Molecular Formula: $\text{C}_4\text{H}_7\text{F}_3\text{O}$

Molecular Weight: 128.094

Accurate Mass: 128.044899

Percentage Composition: C 37.51%; H 5.51%; F 44.49%; O 12.49%

Physical Description: Liq.

Boiling Point: Bp 86-88°

pKa Value: $\text{p}K_{\text{a}}$ 11.6 (25°, H_2O)

Rare Chemicals Library: S60023-7

References:

Henne, A.L. *et al.*, *J.A.C.S.*, 1950, **72**, 3577, (*synth*)

Corley, R.S. *et al.*, *J.A.C.S.*, 1956, **78**, 2608, (*synth*)