



>>Entry Name: 1,1,1,3-Tetrafluoropropane, 9CI

Synonym(s): HFC 254fb

CAS Registry Number: 460-36-6

$\text{F}_3\text{CCH}_2\text{CH}_2\text{F}$

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

Molecular Weight: 116.058

Accurate Mass: 116.024912

Percentage Composition: C 31.05%; H 3.47%; F 65.48%

Physical Description: Liq.

Boiling Point: Bp 29.4°

Density: d_4^{25} 1.26

Refractive Index: n_D^{25} 1.2765

References:

Haszeldine, R.N. *et al.*, *J.C.S.*, 1953, 1199-1206, (*synth*)

Tarrant, P. *et al.*, *J.A.C.S.*, 1955, **77**, 2783-2787, (*synth*)

Burdon, J. *et al.*, *J.C.S.(C)*, 1969, 1739-1746, (*F-19 nmr, pmr*)

Wray, V., *J.A.C.S.*, 1981, **103**, 2503-2507, (*conformn, nmr*)