



>>Entry Name: 1-Tetradecanethiol, 9CI

Synonym(s): 1-Mercaptotetradecane. Tetradecyl mercaptan. Myristyl mercaptan

CAS Registry Number: 2079-95-0

$\text{H}_3\text{C}(\text{CH}_2)_{12}\text{CH}_2\text{SH}$

Molecular Formula: $\text{C}_{14}\text{H}_{30}\text{S}$

Molecular Weight: 230.457

Accurate Mass: 230.20682

Percentage Composition: C 72.97%; H 13.12%; S 13.91%

Melting Point: Fp 7°

Boiling Point: Bp 310°. Bp₂₀ 179.8-180.9°. Bp₂ 149°

Density: d_4^{20} 0.843

Refractive Index: n_D^{20} 1.4607

Fluka: 87193

References:

Noller, C.R. *et al.*, *J.A.C.S.*, 1933, **55**, 1090, (*synth*)

Smith, W.V., *J.A.C.S.*, 1946, **68**, 2064, (*props*)