



>>Entry Name: 1-Undecanesulfonic acid, 9CI

Synonym(s): Hendecanesulfonic acid

CAS Registry Number: 45164-10-1

$\text{H}_3\text{C}(\text{CH}_2)_{10}\text{SO}_3\text{H}$

Molecular Formula: $\text{C}_{11}\text{H}_{24}\text{O}_3\text{S}$

Molecular Weight: 236.375

Accurate Mass: 236.144615

Percentage Composition: C 55.89%; H 10.23%; O 20.31%; S 13.57%

Use/Importance: Surfactant

Physical Description: Cryst.

Melting Point: Mp 49°

Other Data: Hygroscopic

>>Derivative: Na salt

CAS Registry Number: 5838-34-6

Other Data: Kraft point 30°

Fluka: 94135

Sigma: U3381

>>Derivative: Hydrate

Melting Point: Mp 40-41°

References:

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

Wilcox, L.A. *et al.*, *J.A.C.S.*, 1953, **75**, 5761, (*cryst struct*)

Weil, J.K. *et al.*, *J.O.C.*, 1962, **27**, 2950, (*synth*)