



>>Entry Name: 1-Tridecanesulfonic acid, 9Cl

CAS Registry Number: 31169-62-7

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

Molecular Formula: $\text{C}_{13}\text{H}_{28}\text{O}_3\text{S}$

Molecular Weight: 264.428

Accurate Mass: 264.175915

Percentage Composition: C 59.05%; H 10.67%; O 18.15%; S 12.13%

Use/Importance: Surfactant

Physical Description: Cryst.

Melting Point: Mp 58°

Other Data: Hygroscopic

>>Derivative: Na salt

CAS Registry Number: 5802-89-1

Other Data: Kraft point 35.5°

Rare Chemicals Library: S44656-4

>>Derivative: Hydrate

Physical Description: Cryst.

Melting Point: Mp 48-49°

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*)