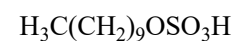




>>Entry Name: Monodecyl sulfate

Synonym(s): Sulfuric acid monodecyl ester



Molecular Formula: $\text{C}_{10}\text{H}_{22}\text{O}_4\text{S}$

Molecular Weight: 238.347

Accurate Mass: 238.12388

Percentage Composition: C 50.39%; H 9.30%; O 26.85%; S 13.45%

>>Derivative: Na salt

CAS Registry Number: 142-87-0

Use/Importance: Surfactant

Physical Description: Cryst.

Rare Chemicals Library: S62688-0

>>Derivative: S-Benzylthiouronium salt

CAS Registry Number: 34036-75-4

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 63-66°

References:

Dreger, E.E. *et al.*, *Ind. Eng. Chem.*, 1944, **36**, 610-617, (*synth*)

Chihara, G. *et al.*, *Chem. Pharm. Bull.*, 1960, **8**, 988-994, (*Na salt, ir*)

Okabayashi, H. *et al.*, *Bull. Chem. Soc. Jpn.*, 1974, **47**, 1075-1077, (*Na salt, synth, Raman*)

Okabayashi, H. *et al.*, *Chem. Scr.*, 1982, **20**, 117-122, (*Na salt, cmr*)

Bittencourt, D.R. *et al.*, *Powder Diffr.*, 1988, **3**, 244-245, (*Na salt, cryst struct*)