



>>Entry Name: Monohexyl sulfate

Synonym(s): Sulfuric acid monohexyl ester, 9CI

CAS Registry Number: 3233-49-6

$\text{H}_3\text{C}(\text{CH}_2)_5\text{OSO}_3\text{H}$

Molecular Formula: $\text{C}_6\text{H}_{14}\text{O}_4\text{S}$

Molecular Weight: 182.24

Accurate Mass: 182.06128

Percentage Composition: C 39.54%; H 7.74%; O 35.12%; S 17.60%

>>Derivative: Na salt

CAS Registry Number: 2207-98-9

Use/Importance: Surfactant

Physical Description: Cryst.

>>Derivative: S-Benzylthiouronium salt

CAS Registry Number: 34036-71-0

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 83-84.5°

References:

Bair, R.K. *et al.*, *J.A.C.S.*, 1942, **64**, 1978, (*synth*)

Musaki, M. *et al.*, *Bull. Chem. Soc. Jpn.*, 1973, **46**, 3174-3179, (*synth*)

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