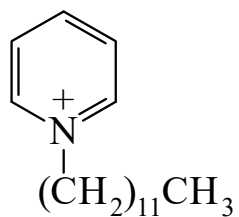




>>Entry Name: 1-Dodecylpyridinium(1+)

Synonym(s): Laurylpyridinium



Related CAS Registry Numbers(s): 104-73-4

Molecular Formula: $C_{17}H_{30}N^{(+)}$

Molecular Weight: 248.431

Accurate Mass: 248.237824

Percentage Composition: C 82.19%; H 12.17%; N 5.64%

>>Derivative: Chloride

CAS Registry Number: 104-74-5

Molecular Formula: $C_{17}H_{30}ClN$

Molecular Weight: 283.883

Accurate Mass: 283.206676

Percentage Composition: C 71.93%; H 10.65%; Cl 12.49%; N 4.93%

Use/Importance: Surfactant

Physical Description: Cryst. (Me_2CO)

Melting Point: Mp 88-90°

>>Derivative: Sulfate

Synonym(s): Laurylpyridinium sulfate. Pilasol F

CAS Registry Number: 17342-21-1

Molecular Formula: $C_{17}H_{31}NO_4S$

Molecular Weight: 345.502

Accurate Mass: 345.197379

Percentage Composition: C 59.10%; H 9.04%; N 4.05%; O 18.52%; S 9.28%

Use/Importance: Surfactant. Used in manuf. of polyamide fibres

References:

Ger. Pat., 1971, 1 419 441; *CA*, **77**, 510106z, (*use, sulfate*)

Westmoreland, P.G., *Anal. Chem.*, 1972, **44**, 737, (*synth*)

Vongbupnimit, K. *et al.*, *Acta Cryst. C*, 1995, **51**, 1940, (*cryst struct*)