



>>Entry Name: 14-Heptacosanone

Synonym(s): Myristone

CAS Registry Number: 542-50-7

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

Molecular Formula: $\text{C}_{27}\text{H}_{54}\text{O}$

Molecular Weight: 394.723

Accurate Mass: 394.417465

Percentage Composition: C 82.16%; H 13.79%; O 4.05%

Biological Source: Constit. of Bulgarian and Oriental tobacco and *Gisekia pharnaceoides*

Physical Description: Cryst. (EtOH)

Melting Point: Mp 77-78°

Rare Chemicals Library: S54418-3

>>Derivative: Oxime

Molecular Formula: $\text{C}_{27}\text{H}_{55}\text{NO}$

Molecular Weight: 409.738

Accurate Mass: 409.428364

Percentage Composition: C 79.15%; H 13.53%; N 3.42%; O 3.90%

Physical Description: Cryst. (EtOH or AcOH)

Melting Point: Mp 47-48°. Mp 51°

References:

Breusch, F.L. *et al.*, *Fette, Seifen, Anstrichm.*, 1968, **70**, 864

Ivanov, N. *et al.*, *Dokl. Bolg. Akad. Nauk*, 1969, **22**, 743, (*isol, ms, nmr*)

Iyer, A. *et al.*, *Phytochemistry*, 1972, **11**, 2883, (*isol, ir, nmr*)

Ulubelen, A. *et al.*, *Planta Med.*, 1973, **24**, 290, (*isol*)

Bennett, R.L. *et al.*, *J. Polym. Sci., Polym. Chem. Ed.*, 1976, **14**, 3021