



>>Entry Name: Pentacosane

CAS Registry Number: 629-99-2

$\text{H}_3\text{C}(\text{CH}_2)_{23}\text{CH}_3$

Molecular Formula: $\text{C}_{25}\text{H}_{52}$

Molecular Weight: 352.686

Accurate Mass: 352.4069

Percentage Composition: C 85.14%; H 14.86%

Biological Source: Constit. of some natural waxes. Copulation releaser pheromone of whitemarked tussock moth *Orgyia leucostigma*

Melting Point: Mp 53.3°

Boiling Point: Bp₁₅ 259°

Aldrich: 28693-1

Fluka: 76495

Sigma: P7260

Supelco: 44-2699

References:

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 7B, (*ir*)

Matlack, M.B., *J.O.C.*, 1940, **5**, 504, (*isol*)

Rodd's Chem. Carbon Compd. (2nd edn.), 1964, **1A**, 367, (*bibl*)

Karrer, W. *et al.*, *Konstitution und Vorkommen der Organischen Pflanzenstoffe*, 2nd edn., Birkhäuser Verlag, Basel, 1972, no. 12, (*occur*)

Grant, G.G. *et al.*, *J. Chem. Ecol.*, 1987, **13**, 345