



>>Entry Name: Pentacontane

CAS Registry Number: 6596-40-3

$\text{H}_3\text{C}(\text{CH}_2)_{48}\text{CH}_3$

Molecular Formula: $\text{C}_{50}\text{H}_{102}$

Molecular Weight: 703.356

Accurate Mass: 702.79815

Percentage Composition: C 85.38%; H 14.62%

Physical Description: Cryst. (petrol)

Melting Point: Mp 95° (94-96°)

Boiling Point: Bp_{0.00001} 200°

References:

Carothers, W.H. *et al.*, *J.A.C.S.*, 1930, **52**, 5279-5288, (*synth*)

Heitz, W. *et al.*, *Makromol. Chem.*, 1972, **162**, 63-79, (*synth*)

Rose, K., *J. Chromatogr.*, 1983, **259**, 445-452, (*gc-ms*)

Dorset, D.L. *et al.*, *J. Polym. Sci., Polym. Phys. Ed.*, 1986, **24**, 79-87, (*cryst struct*)