



>>Entry Name: Tritriacontane

CAS Registry Number: 630-05-7

$\text{H}_3\text{C}(\text{CH}_2)_{31}\text{CH}_3$

Molecular Formula: $\text{C}_{33}\text{H}_{68}$

Molecular Weight: 464.9

Accurate Mass: 464.5321

Percentage Composition: C 85.26%; H 14.74%

Biological Source: Isol. from many plant waxes incl. Candelilla wax. Major constit. of some waxes, e.g. *Agave sisalana* (33%), *Calocephalus brownii* (12%)

Melting Point: Mp 71.8°

Other Data: Four crystal modifications known

Aldrich: 28263-4

Fluka: 93430

References:

Chibnall, A.C. *et al.*, *Biochem. J.*, 1934, **28**, 2189

Razafindrazaka, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1963, 1633, (*isol*)

Batterham, T.J. *et al.*, *Aust. J. Chem.*, 1966, **19**, 143, (*isol*)

Piesczek, W. *et al.*, *Acta Cryst. B*, 1974, **30**, 1278, (*cryst struct*)

Goswami, A. *et al.*, *Phytochemistry*, 1981, **20**, 1315, (*isol, synth*)