



>>Entry Name: 30-Hydroxytriacontanoic acid

CAS Registry Number: 52900-18-2

$\text{HOCH}_2(\text{CH}_2)_{28}\text{COOH}$

Molecular Formula: $\text{C}_{30}\text{H}_{60}\text{O}_3$

Molecular Weight: 468.802

Accurate Mass: 468.454245

Percentage Composition: C 76.86%; H 12.90%; O 10.24%

Biological Source: Isol. from Carnauba wax

>>Derivative: Me ester

CAS Registry Number: 79162-70-2

Molecular Formula: $\text{C}_{31}\text{H}_{62}\text{O}_3$

Molecular Weight: 482.829

Accurate Mass: 482.469895

Percentage Composition: C 77.12%; H 12.94%; O 9.94%

Melting Point: Mp 89-89.5°

>>Derivative: Ac, Me ester

Molecular Formula: $\text{C}_{33}\text{H}_{64}\text{O}_4$

Molecular Weight: 524.866

Accurate Mass: 524.48046

Percentage Composition: C 75.52%; H 12.29%; O 12.19%

Melting Point: Mp 73.8-74.3°

References:

Murry, K.E. *et al.*, *Aust. J. Chem.*, 1955, **8**, 437, (*isol*)

Abrams, S.R., *Chem. Phys. Lipids*, 1981, **28**, 379, (*synth*)

Müller, S. *et al.*, *J. Prakt. Chem.*, 2000, **342**, 779-784, (*Me ester*)