



>>Entry Name: 1-Phenyl-1,3-eicosanedione, 9CI

Synonym(s): 1-Benzoyl-2-nonadecanone

CAS Registry Number: 58446-52-9

$\text{PhCOCH}_2\text{CO}(\text{CH}_2)_{16}\text{CH}_3$

Molecular Formula: $\text{C}_{26}\text{H}_{42}\text{O}_2$

Molecular Weight: 386.617

Accurate Mass: 386.31848

Percentage Composition: C 80.77%; H 10.95%; O 8.28%

Biological Source: Constit. of the pollen of *Helianthus annuus*

Use/Importance: Heat stabiliser for PVC

>>Derivative: 3-Alcohol

Synonym(s): 3-Hydroxy-1-phenyl-1-eicosanone

Molecular Formula: $\text{C}_{26}\text{H}_{44}\text{O}_2$

Molecular Weight: 388.632

Accurate Mass: 388.33413

Percentage Composition: C 80.36%; H 11.41%; O 8.23%

Biological Source: Constit. of the pollen of *Helianthus annuus*

References:

Ger. Pat., 1975, 2 439 282; *CA*, **84**, 109019y, (*synth*)

Ger. Pat., 1975, 2 600 516; *CA*, **85**, 125135j, (*use*)

Eur. Pat., 1995, 658 592; *CA*, **123**, 288308k, (*synth, use*)

Schultz, S. *et al.*, *Phytochemistry*, 2000, **54**, 325-336