

# Cyclopropanecarboxylic acid, 3-(3-methoxy-2-methyl-3-oxo-1-propenyl)-2,2-dimethyl-4-oxo-3-(2-pentenyl)-2-cyclopenten-1-yl ester, [1R-[1«alpha»[S\*(Z)]3«beta»(E)]]-

Other names: Cyclopropanecarboxylic acid, 3-carboxy-«alpha»2,2-trimethyl-1-methyl ester, ester of 3-(3-methoxy-2-methyl-3-oxo-1-propenyl)-2-cyclopenten-1-yl, Cyclopropanecarboxylic acid, 3-(3-methoxy-2-methyl-3-oxo-1-propenyl)-2,2-dimethyl-4-oxo-3-(2-pentenyl)-2-cyclopenten-1-yl ester, Pyrethrin (Jasmolin II)

Inchi: InChI=1S/C22H30O5/c1-7-8-9-10-15-14(3)18(12-17(15)23)27-21(25)19-16(22(19,4)5)11-6

InchiKey: WKNSDDMJXANVMK-VKTMSVCM-SA-N

Formula: C22H30O5

SMILES: CCC=CCC1=C(C)C(OC(=O)C2C(C=C(C)C(=O)OC)C2(C)C)CC1=O

Mol. weight [g/mol]: 374.47

CAS: 1172-63-0

## Physical Properties

| Property code | Value   | Unit    | Source         |
|---------------|---------|---------|----------------|
| gf            | -217.09 | kJ/mol  | Joback Method  |
| hf            | -757.38 | kJ/mol  | Joback Method  |
| hfus          | 45.27   | kJ/mol  | Joback Method  |
| hvap          | 87.14   | kJ/mol  | Joback Method  |
| log10ws       | -4.77   |         | Crippen Method |
| logp          | 3.935   |         | Crippen Method |
| mcvol         | 302.670 | ml/mol  | McGowan Method |
| pc            | 1276.42 | kPa     | Joback Method  |
| tb            | 953.40  | K       | Joback Method  |
| tc            | 1179.53 | K       | Joback Method  |
| tf            | 596.18  | K       | Joback Method  |
| vc            | 1.163   | m3/kmol | Joback Method  |

## Temperature Dependent Properties

| Property code | Value   | Unit    | Temperature [K] | Source        |
|---------------|---------|---------|-----------------|---------------|
| cpg           | 1028.35 | J/mol×K | 953.40          | Joback Method |
| cpg           | 1048.63 | J/mol×K | 991.09          | Joback Method |
| cpg           | 1068.49 | J/mol×K | 1028.78         | Joback Method |
| cpg           | 1088.07 | J/mol×K | 1066.47         | Joback Method |
| cpg           | 1107.50 | J/mol×K | 1104.15         | Joback Method |

