

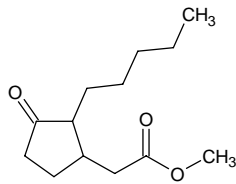
methyl (3-oxo-2-pentylcyclopentyl)acetate

メチル (3-オキソ-2-ペンチルシクロペンチル)アセテート

Formula C₁₃H₂₂O₃

Mol. Wt. 226.31

CAS No. 24851-98-7



SEQ No. 1644 エステル類

FEMA No. 3408

JECFA No. 1898

	JFFMA	JECFA	FCC
Chemical name	methyl (3-oxo-2-pentylcyclopentyl)acetate	Methyl dihydrojasmonate	
Content (NLT)	96.0 % (GC)	85 %	
Refractive index	1.454-1.464 (n _{20D})	1.454-1.464 (n _{20D})	
Specific gravity	0.998-1.008 (d ₂₀ /20)	0.997-1.008 (20°C)	
Acid value (NMT)	2.0	2	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements		SC: 9-11% Methyl epi-dihydrojasmonate	
Identification*	IR :3 MS :3,4,5 NMR :1,3	HNMR	

*References

- 1: Joint FAO/WHO Expert Committee on Food Additive (JECFA)
- 2: Food Chemicals Codex (FCC)
- 3: 有機化合物のスペクトルデータベース SDBS(独立行政法人産業技術総合研究所)
- 4: Wiley's Registry of Mass spectral Database
- 5: NIST/EPA/NIH Mass Spectral Library
- 6: Sigma-Aldrich