

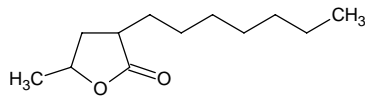
2-heptyl-4-pentanolide

2-ヘプチル-4-ペンタノリド

Formula C₁₂H₂₂O₂

Mol. Wt. 198.30

CAS No. 40923-64-6



SEQ No. 1072 ラクトン類

FEMA No. 3350

JECFA No. 244

	JFFMA	JECFA	FCC
Chemical name	2-heptyl-4-pentanolide	3-Heptyldihydro-5-methyl-2(3H)-furanone	
Content (NLT)	94.0 % (GC)	95 %	
Refractive index	1.445-1.455 (n _{20D})	1.443-1.450 (n _{20D})	
Specific gravity	0.928-0.943 (d _{20/20})	0.935-0.942 (d _{25/25})	
Acid value (NMT)	10.0		
Melting/Congeealing point	MP: 29 to 35°C		
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements	屈折率・比重は参考値		
Identification*	IR : 1	IR	
	MS :		
	NMR :		

*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