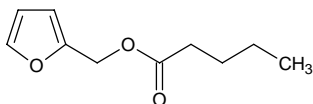


furfuryl valerate

フルフリル バレレート

Formula C₁₀H₁₄O₃

Mol. Wt. 182.22



CAS No. 36701-01-6

SEQ No. 984 エステル類

FEMA No. 3397

JECFA No. 741

	JFFMA	JECFA	FCC
Chemical name	furfuryl valerate	Furfuryl pentanoate	
Content (NLT)	98.0 % (Chem)	98 % by ester determination	
Refractive index	1.457-1.463 (n _{20D})	1.457-1.462 (n _{20D})	
Specific gravity	1.029-1.035 (d _{20/20})	1.024-1.031 (d _{25/25})	
Acid value (NMT)	1.0	1.0	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		miscible	
Other requirements		equivalence factor for assay = 91.11	
Identification*	IR :1 MS :4,5 NMR :	IR	

*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