

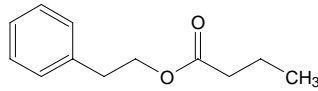
phenethyl butyrate

フェネチル ブチレート

Formula C₁₂H₁₆O₂

Mol. Wt. 192.25

CAS No. 103-52-6



SEQ No. 2106 エステル類

FEMA No. 2861

JECFA No. 991

	JFFMA	JECFA	FCC
Chemical name	phenethyl butyrate	Phenethyl butyrate	Phenylethyl Butyrate
Content (NLT)	97.0 % (GC)	97 %	98.0 % GC(M-1b)
Refractive index	1.487-1.493 (n _{20D})	1.487-1.493 (n _{20D})	1.487-1.492 (n _{20D})
Specific gravity	0.994-1.000 (d _{20/20})	0.991-0.994 (d _{25/25})	0.991-0.995 (d _{25/25})
Acid value (NMT)	1.0	1.0	1.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Miscible at room temperature	1 mL in 1mL 95% alc
Other requirements			
Identification*	IR :2,3,5,6 MS :3,4,5 NMR :1,3,6	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