

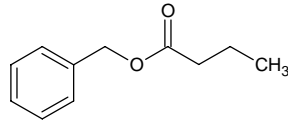
# benzyl butyrate

## ベンジル ブチレート

Formula C<sub>11</sub>H<sub>14</sub>O<sub>2</sub>

Mol. Wt. 178.23

CAS No. 103-37-7



SEQ No. 218 エステル類

FEMA No. 2140

JECFA No. 843

	JFFMA	JECFA	FCC
Chemical name	benzyl butyrate	Benzyl butyrate	Benzyl Butyrate
Content (NLT)	98.0 % (GC)	98 %	98.0 % GC(M-1b)
Refractive index	1.490-1.496 (n <sub>20D</sub> )	1.490-1.500 (n <sub>20D</sub> )	1.492-1.496 (n <sub>20D</sub> )
Specific gravity	1.009-1.015 (d <sub>20/20</sub> )	1.005-1.012 (d <sub>25/25</sub> )	1.006-1.009 (d <sub>25/25</sub> )
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 2 mL 80% alc
Other requirements			
Identification*	IR : 1,2,3,5,6 MS : 3,4,5 NMR : 3,6	IR	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