

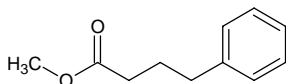
# methyl 4-phenylbutyrate

## メチル 4-フェニルブチレート

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

Mol. Wt. 178.23

CAS No. 2046-17-5



SEQ No. エステル類

FEMA No. 2739

JECFA No. 1464

	JFFMA	JECFA	FCC
Chemical name	methyl 4-phenylbutyrate	Methyl 4-Phenylbutyrate	
Content (NLT)	97.0 % (GC)	97 %	
Refractive index	1.497-1.503 (n <sub>20D</sub> )	1.483-1.489 (n <sub>20D</sub> )	
Specific gravity	1.015-1.028 (d <sub>25/25</sub> )	0.996-1.002 (d <sub>25/25</sub> )	
Acid value (NMT)	1.0	1	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements			
Identification*	IR :5 MS :4,5 NMR :1	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