

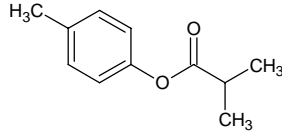
4-methylphenyl isobutyrate

4-メチルフェニル イソブチレート

Formula C₁₁H₁₄O₂

Mol. Wt. 178.23

CAS No. 103-93-5



SEQ No. 427 エステル類

FEMA No. 3075

JECFA No. 701

	JFFMA	JECFA	FCC
Chemical name	4-methylphenyl isobutyrate	p-Tolyl isobutyrate	p-Tolyl Isobutyrate
Content (NLT)	98.0 % (GC)	95 %	95.0 % GC(M-1b)
Refractive index	1.484-1.490 (n _{20D})	1.484-1.490 (n _{20D})	1.485-1.489 (n _{20D})
Specific gravity	0.993-0.999 (d _{20/20})	0.990-0.997 (d _{25/25})	0.990-0.996 (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	1 mL in 7 mL 70% alc gives clear soln
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