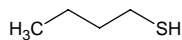


butanethiol

ブタンチオール

Formula C₄H₁₀S



Mol. Wt. 90.19

CAS No. 109-79-5

SEQ No. 262 チオール類

FEMA No. 3478

JECFA No. 511

	JFFMA	JECFA	FCC
Chemical name	butanethiol	1-Butanethiol	
Content (NLT)	97.0 % (GC)	98 %	
Refractive index	1.438-1.448 (n _{20D})	1.444-1.452 (n _{20D})	
Specific gravity	0.835-0.845 (d _{20/20})	0.842-0.847 (d _{25/25})	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 ml in 1 ml 95% alcohol	
Other requirements			
Identification*	IR : 1,3,5,6 MS : 3,4,5 NMR : 3,6	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