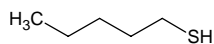


pentanethiol

ペンタンチオール

Formula C₅H₁₂S



Mol. Wt. 104.21

CAS No. 110-66-7

SEQ No. 2081 チオール類

FEMA No. 4333

JECFA No. 1662

	JFFMA	JECFA	FCC
Chemical name	pentanethiol	1-Pentanethiol	
Content (NLT)	97.0 % (GC)	97 %	
Refractive index	1.441-1.450 (n _{20D})	1.441-1.450 (n _{20D})	
Specific gravity	0.831-0.844 (d _{25/25})	0.831-0.844 (d _{25/25})	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements			
Identification*	IR : 3,5,6 MS : 1,3,4,5 NMR : 1,3,6	CNMR HNMR MS	

*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