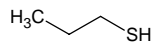


# propanethiol

## プロパンチオール

Formula C<sub>3</sub>H<sub>8</sub>S



Mol. Wt. 76.16

CAS No. 107-03-9

SEQ No. 2233 チオール類

FEMA No. 3521

JECFA No. 509

	JFFMA	JECFA	FCC
Chemical name	propanethiol	Propanethiol	Propyl Mercaptan
Content (NLT)	95.0 % (GC)	97 %	97.0 % GC(M-1b)
Refractive index	1.433-1.443 (n <sub>20D</sub> )	1.438 (n <sub>20D</sub> )	1.436-1.442 (n <sub>20D</sub> )
Specific gravity	0.837-0.847 (d <sub>20/20</sub> )	0.842-0.847 (d <sub>25/25</sub> )	0.838-0.844 (d <sub>25/25</sub> )
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR : 1,5,6 MS : 4,5 NMR : 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