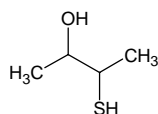


3-hydroxy-2-butanethiol

3-ヒドロキシ-2-ブタンチオール

Formula C₄H₁₀O₂S

Mol. Wt. 106.19



CAS No. 54812-86-1
37887-04-0

SEQ No. 1535 チオール類

FEMA No. 3502

JECFA No. 546

	JFFMA	JECFA	FCC
Chemical name	3-hydroxy-2-butanethiol	2-Mercapto-3-butanol	
Content (NLT)	95.0 % (GC)	99 %	
Refractive index	1.476-1.486 (n _{20D})	1.476-1.485 (n _{20D})	
Specific gravity	1.006-1.022 (d _{20/20})	1.010-1.017 (d _{25/25})	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR :1 MS :4 NMR :1	IR, CNMR	

*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