

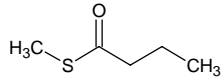
# S-methyl butanethioate

## S-メチル ブタンチオエート

Formula C<sub>5</sub>H<sub>10</sub>OS

Mol. Wt. 118.20

CAS No. 2432-51-1



SEQ No. 1634 エステル類

FEMA No. 3310

JECFA No. 484

	JFFMA	JECFA	FCC
Chemical name	S-methyl butanethioate	Methyl thiobutyrate	Methyl Thiobutyrate
Content (NLT)	97.0 % (GC)	98 %	97.0 % (M-1b)
Refractive index	1.457-1.467 (n <sub>20D</sub> )	1.457-1.469 (n <sub>20D</sub> )	1.461-1.467 (n <sub>20D</sub> )
Specific gravity	0.960-0.975 (d <sub>20/20</sub> )	0.960-0.975 (d <sub>25/25</sub> )	0.964-0.970 (d <sub>25/25</sub> )
Acid value (NMT)	1.0	1.0	3.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR : 1,2,3,6 MS : 3,4,5 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