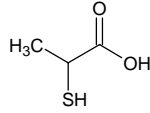


2-mercaptopropionic acid

2-メルカプトプロピオニック アシド

Formula C₃H₆O₂S

Mol. Wt. 106.14



CAS No. 79-42-5

SEQ No. 1546 脂肪酸類

FEMA No. 3180

JECFA No. 551

	JFFMA	JECFA	FCC
Chemical name	2-mercaptopropionic acid	2-Mercaptopropionic acid	2-Mercaptopropionic Acid
Content (NLT)	95.0 % (GC)	95 %	98.0 % Chem(M-3a)
Refractive index	1.477-1.487 (n _{20D})	1.479-1.484 (n _{20D})	1.479-1.484 (n _{20D})
Specific gravity	1.194-1.204 (d _{20/20})	1.192-1.200 (d _{25/25})	1.192-1.200 (d _{25/25})
Acid value (NMT)			
Melting/Congeeing point		MP: 10°C	
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 mL in 1 mL 95% alcohol	1 mL in 1 mL 95% alc alcohol
Other requirements			
Identification*	IR : 1,2,3,5,6 MS : 3,4,5 NMR : 3,6	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