

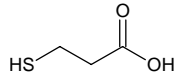
3-mercaptopropionic acid

3-メルカプトプロピオニック アシド

Formula C₃H₆O₂S

Mol. Wt. 106.14

CAS No. 107-96-0



SEQ No. 1547 脂肪酸類

FEMA No. 4587

JECFA No. 1936

| | JFFMA | JECFA | FCC |
|---------------------------|--------------------------------------|---------------------------------|-----|
| Chemical name | 3-mercaptopropionic acid | 3-Mercaptopropionic acid | |
| Content (NLT) | 98.0 % (GC) | 98 % | |
| Refractive index | 1.490-1.496 (n _{20D}) | 1.490-1.496 (n _{20D}) | |
| Specific gravity | 1.220-1.226 (d ₂₀ /20) | 1.220-1.226 (20°C) | |
| 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 :3,6 | 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