

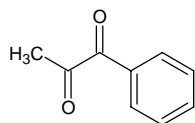
1-phenyl-1,2-propanedione

1-フェニル-1,2-プロパンジオン

Formula C₉H₈O₂

Mol. Wt. 148.16

CAS No. 579-07-7



SEQ No. 2141 ケトン類

FEMA No. 3226

JECFA No. 833

| | JFFMA | JECFA | FCC |
|---------------------------|---|-----------------------------------|-----|
| Chemical name | 1-phenyl-1,2-propanedione | 1-Phenyl-1,2-propanedione | |
| Content (NLT) | 96.0 % (GC) | 97 % | |
| Refractive index | 1.527-1.537 (n _{20D}) | 1.526-1.536 (n _{20D}) | |
| Specific gravity | 1.095-1.107 (d _{20/20}) | 1.096-1.116 (d _{25/25}) | |
| Acid value (NMT) | | | |
| Melting/Congeealing point | | | |
| Angular/Specific rotation | | | |
| Heavy metals (NMT) | | | |
| Solubility in ethanol | | miscible at room temperature | |
| Other requirements | | | |
| Identification* | IR : 1,3,5,6 MS : 3,4,5 NMR : 3,6 | 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