

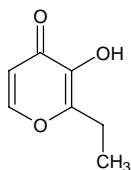
ethyl maltol

エチル マルトール

Formula C₇H₈O₃

Mol. Wt. 140.14

CAS No. 4940-11-8



SEQ No. 850 ケトン類

FEMA No. 3487

JECFA No. 1481

	JFFMA	JECFA	FCC
Chemical name	ethyl maltol	Ethyl maltol	Ethyl maltol
Content (NLT)	98.0 % (GC)	99 %	99.0 %
Refractive index			
Specific gravity			
Acid value (NMT)			
Melting/Congeeing point	MP: 89 to 93°C	MP: 89 to 93°C	MP: about 90°C
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	1g in 10 mL
Other requirements		Complies with purity criteria for Ethyl maltol in FNP52	
Identification*	IR :3,6 MS :3,4,5 NMR :1,3,6	NMR	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