

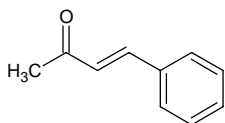
# 4-phenyl-3-buten-2-one

## 4-フェニル-3-ブテン-2-オン

Formula C<sub>10</sub>H<sub>10</sub>O

Mol. Wt. 146.19

CAS No. 122-57-6



SEQ No. 244 ケトン類

FEMA No. 2881

JECFA No. 820

	JFFMA	JECFA	FCC
Chemical name	4-phenyl-3-buten-2-one	4-Phenyl-3-buten-2-one	
Content (NLT)	96.0 % (GC)	97 %	
Refractive index			
Specific gravity			
Acid value (NMT)			
Melting/Congeealing point	MP: 36 to 42°C	MP: 39 to 42°C	
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		very soluble	
Other requirements			
Identification*	IR :1,6 MS :4,5 NMR :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