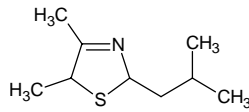


2-isobutyl-4,5-dimethyl-3-thiazoline

2-イソブチル-4,5-ジメチル-3-チアゾリン

Formula C₉H₁₇NS

Mol. Wt. 171.30



CAS No. 65894-83-9

SEQ No. 639 チオエーテル類

FEMA No. 3621

JECFA No. 1045

	JFFMA	JECFA	FCC
Chemical name	2-isobutyl-4,5-dimethyl-3-thiazoline	4,5-Dimethyl-2-isobutyl-3-thiazoline	
Content (NLT)	97.0 % (GC) sum of isomers	97 % 60:40 mix of cis and trans isomers	
Refractive index	1.483-1.489 (n _{20D})	1.483-1.489 (n _{20D})	
Specific gravity	0.945-0.955 (d _{20/20})	0.933-0.937 (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 MS :1 NMR :1	MS IR NMR	

*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