

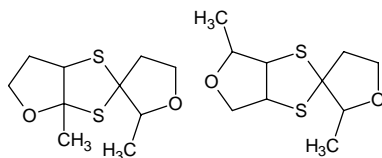
spiro(2,4-dithia-1-methyl-8-oxa-bicyclo[3.3.0]octane-3,3'-(1'-oxa-2'-methyl)-cyclopentane) and spiro(dithia-6-methyl-7-oxa-bicyclo[3.3.0]octane-3,3'-(1'-oxa-2-methyl)cyclopentane)

スピロ[2,4-ジチア-1-メチル-8-オキサ-ビシクロ[3.3.0]オクタン-3,3'-(1'-オキサ-2'-メチル)シクロペンタン] アンド  
スピロ[ジチア-6-メチル-7-オキサ-ビシクロ[3.3.0]オクタン-3,3'-(1'-オキサ-2'-メチル)シクロペンタン]

Formula C<sub>10</sub>H<sub>16</sub>O<sub>2</sub>S<sub>2</sub>

Mol. Wt. 232.36

CAS No. 38325-25-6



SEQ No. 2295 チオエーテル類

FEMA No. 3270

JECFA No. 1296

	JFFMA	JECFA	FCC
Chemical name	spiro(2,4-dithia-1-methyl-8-oxa-bicyclo[3.3.0]octane-3,3'-(1'-oxa-2'-methyl)-cyclopentane) and spiro(dithia-6-methyl-7-oxa-bicyclo[3.3.0]octane-3,3'-(1'-oxa-2-methyl)cyclopentane)	spiro[2,4-Dithia-1-methyl-8-oxabicyclo(3.3.0)octane-3,3'-(1'-oxa-2'-methyl)-cyclopentane]	
Content (NLT)	95.0 % (GC) sum of isomers	95 %	
Refractive index	1.540-1.550 (n <sub>20D</sub> )	1.559-1.565 (n <sub>20D</sub> )	
Specific gravity	1.220-1.230 (d <sub>20/20</sub> )	1.200-1.208 (d <sub>25/25</sub> )	
Acid value (NMT)			
Melting/Congeaing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		soluble	
Other requirements			
Identification*	IR :1 MS :1 NMR :1	NMR IR 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