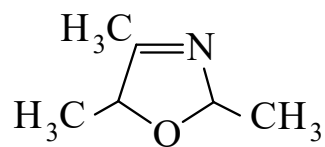




>>Entry Name: 2,5-Dihydro-2,4,5-trimethyloxazole, 9CI

ENTRY UNDER REVIEW

Synonym(s): 2,4,5-Trimethyl-3-oxazoline, 8CI. FEMA 3525



CAS Registry Number: 22694-96-8

Molecular Formula: C₆H₁₁NO

Molecular Weight: 113.159

Accurate Mass: 113.084064

Percentage Composition: C 63.69%; H 9.80%; N 12.38%; O 14.14%

Source/Synthesis: Volatile flavour constit. of boiled beef and roasted peanuts

Use/Importance: Used as flavour enhancer in fish products

Physical Description: Oil with characteristic odour

Boiling Point: Bp 96.6°. Bp₁₂ 45-47°

Hazard & Toxicity: LD₅₀ (mus, orl) 4840 mg/kg

References:

Chang, S.S. *et al.*, *Chem. Ind. (London)*, 1968, 1639, (*isol, ir, ms*)

Moran, E.J. *et al.*, *Drug Chem. Toxicol.*, 1980, **3**, 249, (*tox*)

Lee, M.-S. *et al.*, *J. Agric. Food Chem.*, 1981, **29**, 684, (*isol*)

Ho, C.T. *et al.*, *J. Agric. Food Chem.*, 1982, **30**, 793

Hartman, G.J. *et al.*, *Lebensm.-Wiss. Technol.*, 1984, **17**, 171, (*use*)

Lewis, R.J., *Food Additives Handbook*, Van Nostrand Reinhold International, New York, 1989, TLX800

U.S. Pat., 1990, 4 960 6903; *CA*, **114**, 162797q, (*use*)