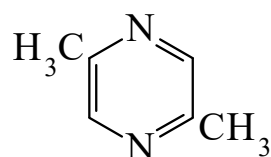




>>Entry Name: 2,5-Dimethylpyrazine, 9CI

ENTRY UNDER REVIEW

Synonym(s): FEMA 3272



CAS Registry Number: 123-32-0

Type of Compound Code(s): VX6940 WI6000 WI7000 WI4600 WE9900

Molecular Formula: C₆H₈N₂

Molecular Weight: 108.143

Accurate Mass: 108.068748

Percentage Composition: C 66.64%; H 7.46%; N 25.90%

Biological Source: Component of urinary signalling pheromone in the tree shrew *Tupaia belangeri* and the pine vole *Microtus pinetorum*

Use/Importance: Used as flavour additive and odorant in foods

Physical Description: Liq. or solid with potato chip flavour

Melting Point: Mp 15°

Boiling Point: Bp 155°

Solubility: Sol. H₂O, EtOH, Et₂O

pKa Value: pK_{a1} 1.85; pK_{a2} -4.6 (27°, H₂SO₄ aq.) pK_{a1} 1.99; pK_{a2} -4.42 (25°, H₂O)

Other Data: Steam-volatile. Odour threshold 1800 ppb in H₂O

Hazard & Toxicity: Fl. p. 64° (oc). LD₅₀ (rat, orl) 1020 mg/kg

Aldrich: 17542-0

Fluka: 41535

>>Derivative: Picrate

Melting Point: Mp 157°

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