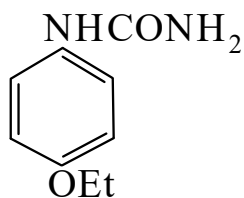




>>Entry Name: (4-Ethoxyphenyl)urea, 9CI

ENTRY UNDER REVIEW

Synonym(s): *p*-Ureidophenetole. Dulcin. Sucrol. Valzin



CAS Registry Number: 150-69-6

Molecular Formula: C₉H₁₂N₂O₂

Molecular Weight: 180.206

Accurate Mass: 180.089878

Percentage Composition: C 59.99%; H 6.71%; N 15.55%; O 17.76%

Use/Importance: Sweetening agent ca. 250 times sweeter than sucrose. Prohibited from human food use in U.S. and other countries

Physical Description: Plates (H₂O)

Melting Point: Mp 173-174°

Hazard & Toxicity: Adverse CNS effects by ingestion. LD₅₀ (rat, orl) 1900 mg/kg

Rare Chemicals Library: S57658-1

Sigma: D6631

>>Derivative: *N*-Ac

Molecular Formula: C₁₁H₁₄N₂O₃

Molecular Weight: 222.243

Accurate Mass: 222.100443

Percentage Composition: C 59.45%; H 6.35%; N 12.60%; O 21.60%

Melting Point: Mp 220°

>>Derivative: *N*-Benzoyl

Molecular Formula: C₁₆H₁₆N₂O₃

Molecular Weight: 284.314

Accurate Mass: 284.116093

Percentage Composition: C 67.59%; H 5.67%; N 9.85%; O 16.88%

Melting Point: Mp 215-217°

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