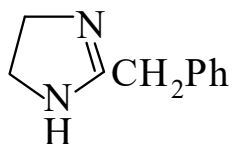




>>Entry Name: **2-Benzyl-4,5-dihydro-1H-imidazole**

Synonym(s): 2-Benzyl-2-imidazoline. 4,5-Dihydro-2-(phenylmethyl)-1H-imidazole, 9CI. 2-Benzylidihydroglyoxaline. **Tolazoline**, BAN, INN. Benzazoline. Benzidazol. **Benzolin** ‡. Imidaline. Priscoline



CAS Registry Number: 59-98-3

Molecular Formula: C₁₀H₁₂N₂

Molecular Weight: 160.218

Accurate Mass: 160.100048

Percentage Composition: C 74.97%; H 7.55%; N 17.48%

Use/Importance: Antiadrenergic, peripheral vasodilator

Physical Description: Cryst. (petrol)

Melting Point: Mp 66-68°

pKa Value: pK_a 10.37 (20°)

Calculated Log P Data: Log P 2.65 (calc)

Hazard & Toxicity: LD₅₀ (mus, orl) 350 mg/kg

Aldrich: 29349-0

>>Derivative: Hydrochloride

Synonym(s): Tolazoline hydrochloride, USAN. Priscol

CAS Registry Number: 59-97-2

Melting Point: Mp 171-172°

Hazard & Toxicity: Gastrointestinal disturbances and other adverse effects reported when used therapeutically. LD₅₀ (mus, orl) 400 mg/kg

Aldrich: T3546-7

Sigma: T5036

>>Derivative: Picrate

Physical Description: Yellow solid

Melting Point: Mp 147°

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