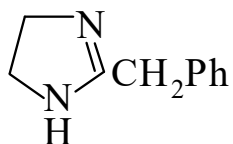




**>>Entry Name: 2-Benzyl-4,5-dihydro-1H-imidazole**

**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:** C<sub>10</sub>H<sub>12</sub>N<sub>2</sub>

**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<sub>a</sub> 10.37 (20°)

**Calculated Log P Data:** Log P 2.65 (calc)

**Hazard & Toxicity:** LD<sub>50</sub> (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. LD<sub>50</sub> (mus, orl) 400 mg/kg

**Aldrich:** T3546-7

**Sigma:** T5036

**>>Derivative:** Picrate

**Physical Description:** Yellow solid

**Melting Point:** Mp 147°

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