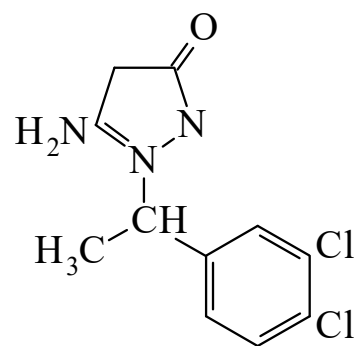




>>Entry Name: **Muzolimine**, BAN, INN, USAN

Synonym(s): 5-Amino-2-[1-(3,4-dichlorophenyl)ethyl]-2,4-dihydro-3*H*-pyrazol-3-one, 9Cl. 3-Amino-1-(3,4-dichloro- α -methylbenzyl)-2-pyrazolin-5-one. Edrul. Bay g 2821



CAS Registry Number: 55294-15-0

Molecular Formula: C₁₁H₁₁Cl₂N₃O

Molecular Weight: 272.133

Accurate Mass: 271.027916

Percentage Composition: C 48.55%; H 4.07%; Cl 26.06%; N 15.44%; O 5.88%

Use/Importance: Antihypertensive agent, diuretic

Development Status: Launched 1983

Hazard & Toxicity: LD₅₀ (rat, orl) 1559 mg/kg

>>Variant: (±)-form

Molecular Formula: C₁₁H₁₁Cl₂N₃O

Molecular Weight: 272.133

Accurate Mass: 271.027916

Percentage Composition: C 48.55%; H 4.07%; Cl 26.06%; N 15.44%; O 5.88%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 127-129°

References:

Mussche, M. *et al.*, *Curr. Med. Res. Opin.*, 1977, **4**, 462, (*pharmacol*)

Moeller, E. *et al.*, *Pharmatherapeutica*, 1977, **1**, 540, (*rev, synth*)

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Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 826

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, EAE675