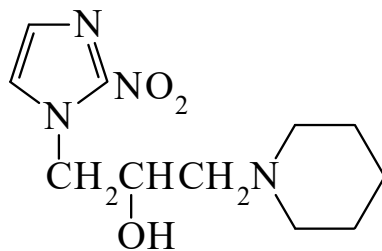




>>Entry Name: Pimonidazole, BAN, INN

Synonym(s): α -[(2-Nitro-1*H*-imidazol-1-yl)methyl]-1-piperidineethanol, 9Cl. 1-(2-Nitro-1-imidazolyl)-3-piperidino-2-propanol. Ro 03 8799



CAS Registry Number: 70132-50-2

Molecular Formula: C₁₁H₁₈N₄O₃

Molecular Weight: 254.288

Accurate Mass: 254.137891

Percentage Composition: C 51.96%; H 7.13%; N 22.03%; O 18.88%

Use/Importance: Radiosensitising agent; under investigation as an adjunct to cancer chemotherapy

Calculated Log P Data: Log P 0.39 (calc)

>>Variant: ($\pm$)-form

Molecular Formula: C₁₁H₁₈N₄O₃

Molecular Weight: 254.288

Accurate Mass: 254.137891

Percentage Composition: C 51.96%; H 7.13%; N 22.03%; O 18.88%

Physical Description: Pale yellow cryst. (EtOH)

Melting Point: Mp 110-112°

>>Derivative: Hydrochloride

CAS Registry Number: 70132-51-3

Physical Description: Cream microcryst.

Melting Point: Mp 144-145 dec.°

References:

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Ward, R. *et al.*, *J. Chromatogr.*, 1987, **420**, 223, (*hplc*)

Dische, S. *et al.*, *Int. J. Radiat. Oncol., Biol., Phys.*, 1989, **16**, 1089, (*pharmacol*)

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