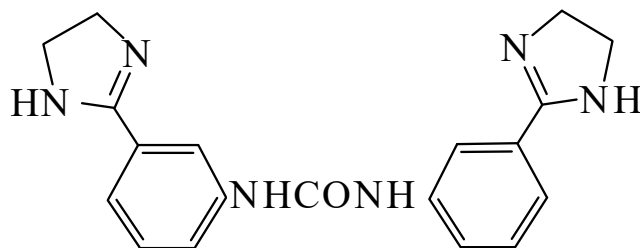




>>Entry Name: Imidocarb, BAN, INN

Synonym(s): *N,N'*-Bis[3-(4,5-dihydro-1*H*-imidazol-2-yl)phenyl]urea, 9Cl. 3,3'-Di(2-imidazolin-2-yl)carbanilide, 8Cl



CAS Registry Number: 27885-92-3

Molecular Formula: C₁₉H₂₀N₆O

Molecular Weight: 348.407

Accurate Mass: 348.169859

Percentage Composition: C 65.50%; H 5.79%; N 24.12%; O 4.59%

Use/Importance: Used in anaplasmosis treatment. Antiprotozoal agent used in veterinary practice against babesiosis and other conditions

Development Status: Never marketed for human use

Calculated Log P Data: Log P 4.01 (uncertain value) (calc)

>>Derivative: Hydrochloride (1:2)

Synonym(s): Imidocarb hydrochloride, USAN. Imizocarb. A 65

CAS Registry Number: 5318-76-3

Melting Point: Mp 370 dec.°

Other Data: Forms a sesquihydrate, Mp 311°

Hazard & Toxicity: LD₅₀ (rat, scu) 150 mg/kg

References:

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Roby, T.O., *Res. Vet. Sci.*, 1972, **13**, 519, (*pharmacol*)
Piskov, V.B. *et al.*, *Khim.-Farm. Zh.*, 1974, **8**, 17, (*synth*)
Aliu, Y.O. *et al.*, *Am. J. Vet. Res.*, 1977, **38**, 2001, (*metab*)
Rao, K.S. *et al.*, *Indian Vet. J.*, 1980, **57**, 283, (*pharmacol*)
McHardy, N. *et al.*, *Res. Vet. Sci.*, 1986, **41**, 14, (*use, tox, metab*)
Tarbin, J.A. *et al.*, *J. Chromatogr.*, 1992, **577**, 376, (*hplc*)
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