



>>Entry Name: Amicarbalide, BAN, INN

Synonym(s): 3,3'-(Carbonyldiimino)bisbenzenecarboximidamide, 9Cl. 3,3'-Diamidinocarbanilide, 8Cl. *N,N'*-Di(3-amidinophenyl)urea



CAS Registry Number: 3459-96-9

Molecular Formula: C₁₅H₁₆N₆O

Molecular Weight: 296.331

Accurate Mass: 296.138559

Percentage Composition: C 60.80%; H 5.44%; N 28.36%; O 5.40%

Use/Importance: Antiprotozoal

Calculated Log P Data: Log P 0.16 (calc)

>>Derivative: Bis(2-hydroxyethanesulfonate) (2:1)

Synonym(s): Diampron. M

CAS Registry Number: 3671-72-5

Use/Importance: Veterinary antiprotozoal agent

Melting Point: Mp 209°

Solubility: V. sol. H₂O

Hazard & Toxicity: LD₅₀ (rat, scu) 186 mg/kg

References:

Berg, S.S. *et al.*, *J.C.S.*, 1961, 5097, (*synth*)

Schmidt, G. *et al.*, *Res. Vet. Sci.*, 1969, **10**, 530, (*pharmacol*)

Nathan, H.C. *et al.*, *J. Protozool.*, 1979, **26**, 657, (*pharmacol*)

Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 510