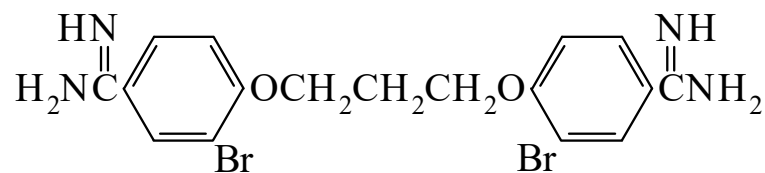




>>Entry Name: **Dibromopropamidine**, INN

Synonym(s): 4,4'-[1,3-Propanediylbis(oxy)]bis[3-bromobenzenecarboximidamide], 9Cl. 4,4'-(Trimethylenedioxy)bis(3-bromobenzamidine), 8Cl. Dibromopropamidine, BAN. M & B 1270



CAS Registry Number: 496-00-4

Molecular Formula: C₁₇H₁₈Br₂N₄O₂

Molecular Weight: 470.163

Accurate Mass: 468.019648

Percentage Composition: C 43.43%; H 3.86%; Br 33.99%; N 11.92%; O 6.81%

Use/Importance: Topical antibacterial and antifungal agent

Calculated Log P Data: Log P 2.71 (calc)

>>Derivative: Hydrochloride (1:2)

Melting Point: Mp 308-309°

>>Derivative: Bis(2-hydroxyethanesulfonate)

Synonym(s): Dibromopropamidine isethionate. Brolene. Brulidine. Otamidyl. DBPI

CAS Registry Number: 614-87-9

Use/Importance: Antiseptic

Melting Point: Mp 226°

Hazard & Toxicity: Can cause allergic contact dermatitis

References:

Henry, A.J., *J.C.S.*, 1945, 870, (*synth*)

Wien, R. *et al.*, *Lancet*, 1948, **254**, 711, (*pharmacol*)

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Hugo, W.B., *CA*, 1972, **76**, 68565, (*rev*)

Lützow-Holm, C. *et al.*, *Contact Dermatitis*, 1988, **18**, 100, (*tox*)

Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 793