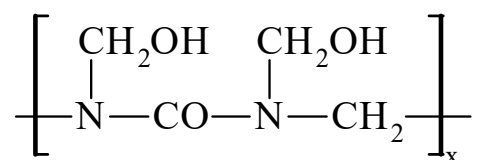




>>Entry Name: Polynoxilin, BAN, INN

Synonym(s): Urea polymer with formaldehyde, 9CI. Poly[bis(hydroxymethyl)ureylene]methylene. Methylene *N,N'*-bis(hydroxymethyl)urea polymer. Anaflex. Larex. Noxylin. Ponoxylan. Salmocid



CAS Registry Number: 9011-05-6

Molecular Formula: C₄H₈N₂O₃

Molecular Weight: 132.119

Accurate Mass: 132.053493

Percentage Composition: C 36.36%; H 6.10%; N 21.20%; O 36.33%

Use/Importance: Topical antibacterial, antifungal agent

Physical Description: Amorph. powder

Other Data: Dec. without melting

Hazard & Toxicity: LD₅₀ (rat, orl) 8394 mg/kg

References:

Haler, D. *et al.*, *Nature (London)*, 1961, **190**, 734; 1963, **198**, 400, (*synth, pharmacol*)

Kingston, D., *J. Clin. Pathol.*, 1965, **18**, 666, (*pharmacol*)

Wernsdorfer, G. *et al.*, *Arzneim.-Forsch.*, 1967, **17**, 1204, (*activity*)

Drug Ther. Bull., 1970, **8**, 79

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 802