



>>Entry Name: Polihexanide, INN

Synonym(s): Poly(iminocarbonimidoyliminocarbonimidoylimino-1,6-hexanediyl), 9Cl. **Polyhexanide**, BAN. Poly(hexamethylenebiguanide). ICI 9073

CAS Registry Number: 28757-47-3

Related CAS Registry Numbers(s): 27083-27-8 28757-48-4



Molecular Formula: C₈H₁₇N₅

Molecular Weight: 183.256

Accurate Mass: 183.148395

Percentage Composition: C 52.43%; H 9.35%; N 38.22%

Use/Importance: Antibacterial agent, disinfectant

>>Derivative: Hydrochloride

Synonym(s): Lavasept. PHMB

CAS Registry Number: 32289-58-0

References:

Fr. Pat., 1968, *ICI*, 1 545 593; *CA*, **70**, 116162d, (*synth*)

South African Pat., 1970, *ICI*, 6 902 498; *CA*, **74**, 128000v, (*synth, props*)

Netherlands Pat., 1975, *ICI*, 7 410 546; *CA*, **83**, 109787b, (*props*)

Rosenthal, I. *et al.*, *J. Food Saf.*, 1982, **4**, 191, (*props, tox*)

Martindale, The Extra Pharmacopoeia, 28th/29th edn., *Pharmaceutical Press*, 1982, 13146

Broxton, P. *et al.*, *J. Appl. Bacteriol.*, 1983, **54**, 345, (*activity*)