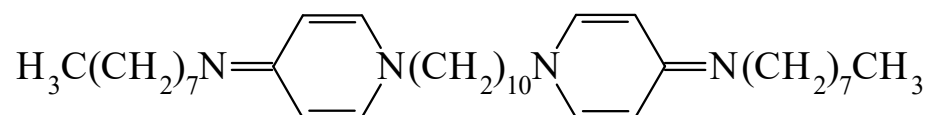




>>Entry Name: **Octenidine**, BAN, INN

Synonym(s): *N,N'*-(1,10-Decanediyldi-1(4*H*)-pyridinyl-4-ylidene)bis-1-octanamine, 9Cl. 1,1'-Decamethylenebis[1,4-dihydro-4-(octylimino)pyridine]



CAS Registry Number: 71251-02-0

Molecular Formula: C₃₆H₆₂N₄

Molecular Weight: 550.913

Accurate Mass: 550.497446

Percentage Composition: C 78.49%; H 11.34%; N 10.17%

Use/Importance: Possesses antimycotic props. Topical antiinfective agent. Dental plaque inhibitor

>>Derivative: Hydrochloride (1:2)

Synonym(s): **Octenidine hydrochloride**, USAN. Octeniderm. Octenisept. Win 41464-2

CAS Registry Number: 70775-75-6

Melting Point: Mp 215-217°

>>Derivative: Compd. with saccharin (1:2)

Synonym(s): **Octenidine saccharin**, USAN. Win 41464-6

CAS Registry Number: 86767-75-1

Use/Importance: Dental plaque inhibitor

Melting Point: Mp 82-85°

References:

- U.S. Pat.*, 1980, *Sterling Drug*, 4 206 215; *CA*, **93**, 239243p, (*synth*)
Slee, A.M. *et al.*, *Antimicrob. Agents Chemother.*, 1983, **23**, 531, (*pharmacol*)
Bailey, D.M. *et al.*, *J. Med. Chem.*, 1984, **27**, 1457, (*synth, pharmacol*)
Eur. Pat., 1985, *Sterling Drug*, 144 960; *CA*, **103**, 92663, (*synth, saccharin cpd*)
Ghannoum, M.A. *et al.*, *J. Antimicrob. Chemother.*, 1990, **25**, 237, (*activity*)
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