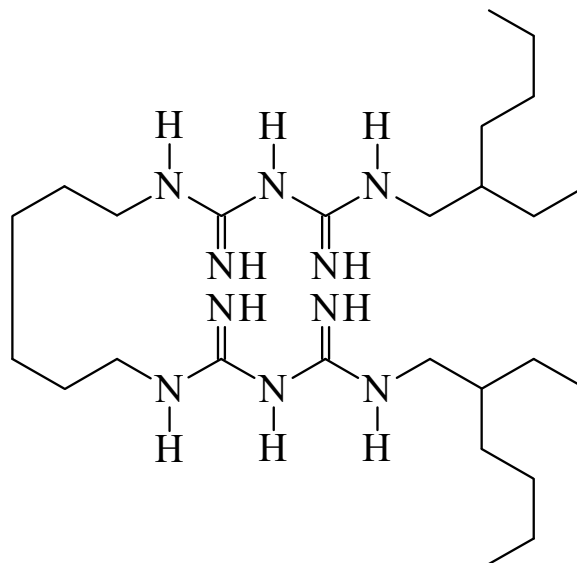




>>Entry Name: Alexidine, INN, USAN

Synonym(s): *N,N'*-Bis(2-ethylhexyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediimidamide, 9Cl. 1,1'-Hexamethylenebis[5-(2-ethylhexyl)]biguanide, 8Cl. Bisguadine. Win 21904



CAS Registry Number: 22573-93-9

Extra CAS Registry Numbers(s): 22782-69-0

Molecular Formula: $C_{26}H_{56}N_{10}$

Molecular Weight: 508.795

Accurate Mass: 508.46894

Percentage Composition: C 61.38%; H 11.09%; N 27.53%

Use/Importance: Antibacterial agent, esp. in dental preps.

Sigma: A1399

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 1715-30-6

Melting Point: Mp 220.6-223.4°

References:

- Fr. Pat.*, 1966, *Sterling Drug*, 1 463 818; *CA*, **68**, 39147g, (*synth, pharmacol*)
Tanzer, J.M. *et al.*, *Antimicrob. Agents Chemother.*, 1977, **12**, 721, (*pharmacol*)
Coburn, R.A. *et al.*, *J. Med. Chem.*, 1978, **21**, 828, (*synth, props*)
Chawner, J.A. *et al.*, *J. Appl. Bacteriol.*, 1989, **66**, 243-253, (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 31st edn., *Pharmaceutical Press*, 1996, 1116