



>>Entry Name: Oxetacaine, INN

Synonym(s): 2,2'-[(2-Hydroxyethyl)imino]bis[*N*-(1,1-dimethyl-2-phenylethyl)-*N*-methylacetamide], 9Cl. 2-Bis[(α,α,N -trimethylphenethylcarbamoyl)methyl]aminoethanol.

Oxethazaine, BAN, USAN, Emoren. Robercaine R. Topicain. Mucaine. Wy 806

CAS Registry Number: 126-27-2

[PhCH2C(CH3)2NMeCOCH2]2NCH2CH2OH

Molecular Formula: C₂₈H₄₁N₃O₃

Molecular Weight: 467.65

Accurate Mass: 467.314792

Percentage Composition: C 71.91%; H 8.84%; N 8.99%; O 10.26%

Use/Importance: Local anaesthetic

Physical Description: Cryst. (C₆H₆/hexane)

Melting Point: Mp 104-104.5°

Calculated Log P Data: Log P 4.12 (calc)

Sigma: O5380

>>Derivative: Hydrochloride

Physical Description: Cryst.

Melting Point: Mp 146-147°

References:

Israeli Pat., 1958, 10 062; *CA*, **52**, 15569

U.S. Pat., 1958, 2 780 646; *CA*, **52**, 422

Seifter, J. *et al.*, *Proc. Soc. Exp. Biol. Med.*, 1962, **109**, 664, (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 1015

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, DTL200