

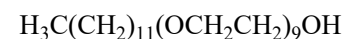


>>Entry Name: Polidocanol

Synonym(s): 3,6,9,12,15,18,21,24,27-Nonaoxanonatriacontan-1-ol, 9CI. Nonaethylene glycol monododecyl ether. Lauromacrogol 400, BAN, INN. Laureth 9, USAN. Ethoxysclerol. HPED. Hydroxypolyethoxydodecane. Pistocain. Polisclerol. Sclerorein. Sotravarisc. Thesit. Many other names

CAS Registry Number: 3055-99-0

Related CAS Registry Numbers(s): 9002-92-0



Molecular Formula: C₃₀H₆₂O₁₀

Molecular Weight: 582.814

Accurate Mass: 582.4343

Percentage Composition: C 61.83%; H 10.72%; O 27.45%

Biological Use/Importance: Local anaesthetic, antipruritic agent. Non-ionic surfactant

Melting Point: Mp 33.3-33.6°

Refractive Index: n_D³⁵ 1.4539

Calculated Log P Data: Log P 5.59 (calc)

Hazard & Toxicity: Human and exp. skin irritant. Severe eye irritant. LD₅₀ (rat, orl) 1000 mg/kg. LD₅₀ (rat, ipr) 125 mg/kg

Fluka: 74154

Sigma: P9641

References:

Zipf, H.F. *et al.*, *Arch. Exp. Pathol. Pharmacol.*, 1964, **247**, 544, (activity)

Gerhardt, W., *Monatsber. Dtsch. Akad. Wiss. Berlin*, 1967, **9**, 922; *CA*, **70**, 97242m, (synth)

Dittmann, E.Ch., *Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1973, **276**, 199, (props)

Dorset, D.L., *J. Colloid Interface Sci.*, 1983, **96**, 172, (conformn, cryst struct)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 1028

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 7th edn., Akademie-Verlag, 1994, 11188, (synonyms)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DXY000; EEU000; LBS000; LBT000; LBU000