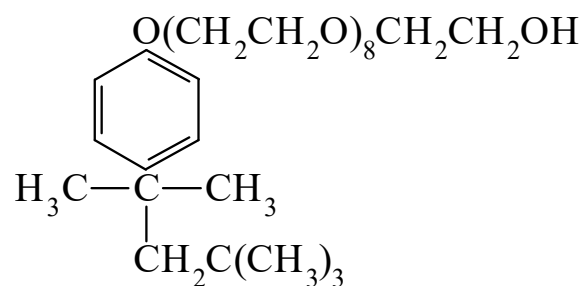




>>Entry Name: Octoxinol 9, INN

Synonym(s): 26-[4-(1,1,3,3-Tetramethylbutyl)phenoxy]-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol, 9Cl. Octoxynol 9, USAN. Igepal CA 630. Ortho-Gynol. Slovafol. Triton X-100



CAS Registry Number: 2315-65-3

Related CAS Registry Numbers(s): 9002-93-1

Molecular Formula: $\text{C}_{32}\text{H}_{58}\text{O}_{10}$

Molecular Weight: 602.804

Accurate Mass: 602.403

Percentage Composition: C 63.76%; H 9.70%; O 26.54%

Use/Importance: Spermicide, surfactant

Physical Description: Highly stable pale yellow liq.

Calculated Log P Data: Log P 5.39 (calc)

Other Data: Component of numerous preparations

Hazard & Toxicity: Eye and human skin irritant. LD_{50} (rat, orl) 1800 mg/kg. LD_{50} (mus, ivn) 1200 mg/kg. Exp. reprod. effects (female, reprod. organs). Mutagenic props.

References:

U.S. Pat., 1956, 2 752 284, (*Ortho Pharmaceutical*)

Enyeart, C.R., *Nonionic Surfactants*, Dekker, 1967, 44, (*rev*)

Calandra, J.C., *Toxicol. Appl. Pharmacol.*, 1969, **14**, 315, (*tox*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 1029

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, PKF500

Lewis, R.J., *Reproductively Active Chemicals*, *Van Nostrand Reinhold*, 1991, PKF500