



LKT Laboratories, Inc.

## Nonoxynol-9

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### Product Information

**Product ID** N5655

**CAS No.** 26027-38-3; 14409-72-4

**Chemical Name**  $\alpha$ -(4-Nonylphenyl)- $\omega$ -hydroxypoly(oxy-1,2-ethane-diyl)

**Synonym** C-Film, Encare, Intercept, Semicid, Staycept, Tergitol TP-9

**Formula** C<sub>33</sub>H<sub>60</sub>O<sub>10</sub>

**Formula Wt.** 616.82

**Melting Point** 126-133 °C

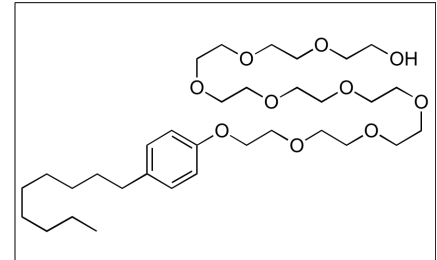
**Purity** 90-110%

**Solubility** Soluble in water, ethanol, ethylene glycol, or xylene.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Nonoxynol-9 is a nonoxynol surfactant that exhibits contraceptive and spermicidal activities. Nonoxynol-9 immobilizes sperm by altering acrosomal membranes. This compound does not exhibit antiviral benefit.



**Bulk quantities available upon request**

Product ID	Size
N5655	10 g
N5655	50 g
N5655	100 g

**References** Hillier SL, Moench T, Shattock R, et al. In vitro and in vivo: the story of nonoxynol 9. J Acquir Immune Defic Syndr. 2005 May 1;39(1):1-8. PMID: 15851907.

Maikhuri JP, Dwivedi AK, Dhar JD, et al. Mechanism of action of some acrylophenones, quinolines and dithiocarbamate as potent, non-detergent spermicidal agents. Contraception. 2003 May;67(5):403-8. PMID: 12742565.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.