

## Poloxamer 184 (L64)

Cat. No.:	HY-D1005A10
CAS No.:	9003-11-6
Target:	Biochemical Assay Reagents; Bacterial
Pathway:	Others; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

## Poloxamer 184 (L<sub>64</sub>)

### BIOLOGICAL ACTIVITY

#### Description

Poloxamer 184 L64 is block polymer of polyoxyethylene and polyoxypropylene with average molecular mass of 2900. Poloxamer 184 L64 exhibits short-term dermal toxicity characterized by slight erythema and intradermal inflammatory response. Poloxamer 184 L64 exhibits antimicrobial activity, that inhibits 60% Mycobacterium avium complex at concentration of 1 mg/mL. Poloxamer 184 L64 forms thermoreversible hydrogel, that is utilized in food additives, drug delivery carriers in cosmetics, pharmaceutical ingredients and tissue engineering<sup>[1][2]</sup>.

### REFERENCES

[1]. Singh-Joy SD, et al., Safety assessment of poloxamers 101, 105, 108, 122, 123, 124, 181, 182, 183, 184, 185, 188, 212, 215, 217, 231, 234, 235, 237, 238, 282, 284, 288, 331, 333, 334, 335, 338, 401, 402, 403, and 407, poloxamer 105 benzoate, and poloxamer 182 dibenzoate as used in cosmetics. Int J Toxicol. 2008;27 Suppl 2:93-128.

[2]. Hunter RL, et al., Enhancement of antibiotic susceptibility and suppression of Mycobacterium avium complex growth by poloxamer 331. antimicrob Agents Chemother. 1995 Feb;39(2):435-9.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA