

Poloxamer 181 (L61)

Cat. No.:	HY-D1005A8
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 181 (L₆₁)

BIOLOGICAL ACTIVITY

Description

Poloxamer 181 L61 is block polymer of polyoxyethylene and polyoxypropylene with average molecular mass of 2000. Poloxamer 181 L61 exhibits antimicrobial activity, that inhibits 91% Mycobacterium avium complex at concentration of 1 mg/mL. Poloxamer 181 L61 forms thermoreversible hydrogel, that is utilized in food additives, drug delivery carriers in cosmetics, pharmaceutical ingredients and tissue engineering^{[1][2]}.

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.

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