

Poloxamer 335 (P105)

Cat. No.:	HY-D1005A21
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 335 (P₁₀₅)

BIOLOGICAL ACTIVITY

Description

Poloxamer 335 P105 is block polymer of polyoxyethylene and polyoxypropylene with average molecular mass of 6500. Poloxamer 335 P105 exhibits antimicrobial activity, that inhibits 86% Mycobacterium avium complex at concentration of 1 mg/mL. Poloxamer 334 P104 exhibits muscular toxicity. Poloxamer 334 P104 forms thermoreversible hydrogel, that is utilized in food additives, drug delivery carriers in cosmetics, pharmaceutical ingredients and tissue engineering^{[1][2][3]}.

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]. Johnston TP, et al., Toxicological evaluation of poloxamer vehicles for intramuscular use. J Parenter Sci Technol. 1985 Mar-Apr;39(2):83-9.
- [3]. 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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