

Poloxamer 124 (L44)

Cat. No.:	HY-D1005A6
CAS No.:	9003-11-6
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Poloxamer 124 (L₄₄)

BIOLOGICAL ACTIVITY

Description

Poloxamer 124 L44 is block polymer of polyoxyethylene and polyoxypropylene with average molecular mass of 2200. Poloxamer 124 L44 reveals toxicity with an oral LD₅₀ of 5 g/kg in albino rats. Poloxamer 124 L44 causes ocular irritation. Poloxamer 124 L44 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]. Li Y, et al., Ultra-high-performance liquid chromatography coupled with quadrupole time of flight mass spectrometry method for quantifying polymer poloxamer 124 and its application to pharmacokinetic study. *J Sep Sci.* 2021 Oct;44(20):3822-3829.

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

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