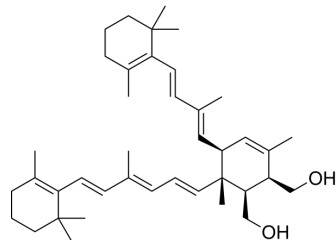


## Kitol

Cat. No.:	HY-121432
CAS No.:	4626-00-0
Molecular Formula:	C <sub>40</sub> H <sub>60</sub> O <sub>2</sub>
Molecular Weight:	572.9
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Kitol is peptide used for after-sun repair cosmetics. The dominant degradation reaction for vitamin A derivatives is heat-induced formation of kitols, i.e., dimers or higher oligomers. Vitamin A esters are used as a model system to evaluate microcalorimetry as a tool for monitoring the stability of heat-sensitive substances<sup>[1][2]</sup>.

### REFERENCES

- [1]. Runge FE, et al. Use of microcalorimetry in monitoring stability studies. Example: vitamin A esters. J Agric Food Chem. 2000 Jan;48(1):47-55.
- [2]. Jin Z, et al. Preparation method of after-sun repair cosmetic. China, CN108553328 A. 2018-09-21.

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

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