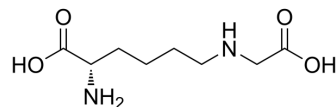


## Nε-(Carboxymethyl)-L-lysine

Cat. No.:	HY-W286743
CAS No.:	5746-04-3
Molecular Formula:	C <sub>8</sub> H <sub>16</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	204.22
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Nε-(Carboxymethyl)-L-lysine (CML) is a unique post-translational modification (PTM) of proteins that is generated by the non-enzymatic glycation of lysine residues. Nε-(Carboxymethyl)-L-lysine is a relatively recently discovered modification, and has been found to be a major component of the advanced glycation endproducts (AGEs) found in multiple human diseases, such as diabetes, Alzheimer's disease, and cancer<sup>[1]</sup>.

### REFERENCES

[1]. Fu MX, et al. The advanced glycation end product, Nε-(carboxymethyl)lysine, is a product of both lipid peroxidation and glycoxidation reactions. J Biol Chem. 1996 Apr 26;271(17):9982-6

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

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