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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

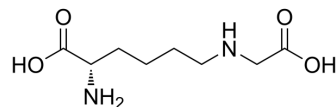
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Nε-(Carboxymethyl)-L-lysine

Cat. No.:	HY-W286743
CAS No.:	5746-04-3
Molecular Formula:	C ₈ H ₁₆ N ₂ O ₄
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^[1].

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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA