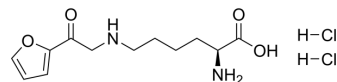


## Furosine dihydrochloride

Cat. No.:	HY-139078
CAS No.:	157974-36-2
Molecular Formula:	C <sub>12</sub> H <sub>20</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	327.2
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Furosine dihydrochloride, an amino acid derivative, is an important chemical marker of early-stage Maillard reactions. Furosine dihydrochloride is closely related to a variety of diseases such as diabetes <sup>[1][2]</sup> .
<b>In Vitro</b>	Furosine could degrade slowly to form many different advanced glycation end products (AGEs). Partial AGEs have been proven to be closely related to a variety of diseases, such as diabetes, and a high amount of AGEs in human bodies is considered harmful <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Li Y, et, al. Qualitative and quantitative analysis of furosine in fresh and processed ginsengs. J Ginseng Res. 2018 Jan;42(1):21-26.
- [2]. Poojary MM, et, al. Liquid chromatography quadrupole-Orbitrap mass spectrometry for the simultaneous analysis of advanced glycation end products and protein-derived cross-links in food and biological matrices. J Chromatogr A. 2020 Mar 29;1615:460767.

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

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