

Thioether-cyclized helix B peptide, CHBP

Cat. No.:	HY-P5984
CAS No.:	1453840-35-1
Molecular Formula:	C ₅₆ H ₉₃ N ₁₉ O ₂₂ S
Molecular Weight:	1416.52
Sequence:	Ac-Gln-Glu-Gln-Leu-Glu-Arg-Ala-Leu-Asn-Ser-Ser-Cys-NH ₂ (Cyclization via thioether-bond through N-terminal Me and -SH of Cys)
Sequence Shortening:	Ac-QEQLERALNSSC-NH ₂ (Cyclization via thioether-bond through N-terminal Me and -SH of Cys)
Target:	mTOR
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Thioether-cyclized helix B peptide, CHBP can improve metabolic stability and renoprotective effect through inducing autophagy via inhibition of mTORC1 and activation of mTORC2^[1].

REFERENCES

[1]. Cheng Yang, et al. A novel proteolysis-resistant cyclic helix B peptide ameliorates kidney ischemia reperfusion injury. *Biochim Biophys Acta*. 2014 Nov;1842(11):2306-17.

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