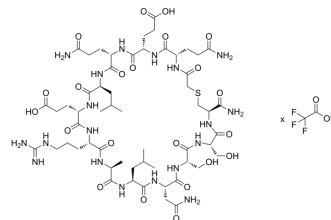


## Thioether-cyclized helix B peptide, CHBP TFA

<b>Cat. No.:</b>	HY-P5984A
<b>Molecular Formula:</b>	$C_{56}H_{93}N_{19}O_{22}S \cdot xC_2HF_3O_2$
<b>Sequence:</b>	Ac-Gln-Glu-Gln-Leu-Glu-Arg-Ala-Leu-Asn-Ser-Ser-Cys-NH <sub>2</sub> (Cyclization via thioether-bond through N-terminal Me and -SH of Cys)
<b>Sequence Shortening:</b>	Ac-QEQLERALNSSC-NH <sub>2</sub> (Cyclization via thioether-bond through N-terminal Me and -SH of Cys)
<b>Target:</b>	mTOR
<b>Pathway:</b>	PI3K/Akt/mTOR
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Thioether-cyclized helix B peptide, CHBP (TFA) is the TFA form of Thioether-cyclized helix B peptide, CHBP (HY-P5984). Thioether-cyclized helix B peptide, CHBP (TFA) can improve metabolic stability and renoprotective effect through inducing autophagy via inhibition of mTORC1 and activation of mTORC2<sup>[1]</sup>.

### 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.**

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