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DATASHEET

SHLP2

Product overview

Name	SHLP2
Cat No	HB8044
Biological action	Activator
Purity	>95%
Description	Endogenous mitochondrial-derived peptide

Biological Data

Biological description	Endogenous mitochondrial-derived peptide which is implicated in various biological processes such as aging and neurodegeneration. Enhances mitochondrial function and cell survival. Induces β -Arrestin recruitment to CXCR7 ($EC_{50} = 0.97M$) and directly binds to the receptor to cause its internalization. Suppresses food intake, prevents diet-induced obesity in mice and improves glucose tolerance and insulin sensitivity <i>in vivo</i> .
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Solubility & Handling

Storage instructions	-20°C
Solubility overview	Soluble in PBS (1mg/ml), and in DMSO
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Molecular Weight	3015.58
Molecular Formula	$C_{142}H_{214}N_{36}O_{35}S$

References

Naturally occurring mitochondrial-derived peptides are age-dependent regulators of apoptosis, insulin sensitivity, and inflammatory markers.

Cobb LJ et al (2016) Aging 8

PubMedID

27070352
