

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

Sarafotoxin S6c


Product overview

Name	Sarafotoxin S6c
Cat No	HB3533
Biological description	Selective ET _B receptor agonist (K _i values are 0.29 nM and 2.8 μM at ET _B and ET _A receptors respectively).
Alternative names	S6c, SRTX S6C, STX-S6c
Biological action	Peptide
Purity	>95%
Description	Selective ET _B receptor agonist

Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in water (1 mg/ml)
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

Chemical name	CTCNDMTDEECLNFCHQDVIW (modifications: Disulfide bridge between 1 - 15, 3 - 11)
Molecular Weight	2515.76
Chemical structure	
Molecular Formula	C ₁₀₃ H ₁₄₇ N ₂₇ O ₃₇ S ₅
Sequence (one letter)	CTCNDMTDEECLNFCHQDVIW
Modifications	Disulfide bridge between 1 - 15, 3 - 11
CAS Number	121695-87-2
PubChem identifier	71456935
SMILES	<chem>CC[C@@H](C)[C@@H](C(=O)N[C@@H](CC1=CNC2=CC=CC=C21)C(=O)O)NC(=O)[C@H](C(C)C)NC(=O)[C@H](CC(=O)O)NC(=O)[C@H](CCC(=O)N)NC(=O)[C@H](CC3=CN=CN3)NC(=O)[C@@H]4CSSC[C@@H](C(=O)N[C@H](C(=O)N[C@H]5CSSC[C@@H](C(=O)N[C@H](C(=O)N[C@H](C(=O)N[C@H](C(=O)N4)CC6=CC=CC=C6)CC(=O)N)CC(C)C)NC(=O)[C@@H](NC(=O)[C@@H](NC(=O)[C@@H](NC(=O)[C@@H](NC(=O)[C@@H](NC5=O)CC(=O)N)CC(=O)O)CCSC[C@@H](C)O)CC(=O)O)CCC(=O)O)CCC(=O)O)[C@@H](C)O)N</chem>
InChiKey	LXPHPKVWHQLBBA-JHOSIGDNSA-N
MDL number	MFCD00161501

References

Sarafotoxin S6c: an agonist which distinguishes between endothelin receptor subtypes

Williams DL Jr *et al* (1991) *Biochem Biophys Res Commun* 175(2)

PubMedID [1850245](#)

Distinct endothelin-B receptors mediate the effects of sarafotoxin S6c and IRL1620 in the ileum

Miasiro N *et al* (1998) *J Cardiovasc Pharmacol* 31 Suppl 1

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Characterization of cloned human endothelin receptors

Williams DL Jr *et al* (1993) *Life Sci* 53(5)

PubMedID

8336519
