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## DATASHEET

Sarafotoxin S6c


### Product overview

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

### Solubility & Handling

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

### Chemical Data

<b>Chemical name</b>	CTCNDMTDEECLNFCHQDVIW (modifications: Disulfide bridge between 1 - 15, 3 - 11)
<b>Molecular Weight</b>	2515.76
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>103</sub> H <sub>147</sub> N <sub>27</sub> O <sub>37</sub> S <sub>5</sub>
<b>Sequence (one letter)</b>	CTCNDMTDEECLNFCHQDVIW
<b>Modifications</b>	Disulfide bridge between 1 - 15, 3 - 11
<b>CAS Number</b>	121695-87-2
<b>PubChem identifier</b>	71456935
<b>SMILES</b>	<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>
<b>InChiKey</b>	LXPHPKVWHQLBBA-JHOSIGDNSA-N
<b>MDL number</b>	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

**PubMedID** [9595431](#)

## Characterization of cloned human endothelin receptors

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

**PubMedID**

**8336519**

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