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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Cyclic somatostatin (Standard)

Cat. No.:	HY-P0084R
CAS No.:	38916-34-6
Molecular Formula:	C ₇₆ H ₁₀₄ N ₁₈ O ₁₉ S ₂
Molecular Weight:	1637.88
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Cyclic somatostatin (Standard) is the analytical standard of Cyclic somatostatin. This product is intended for research and analytical applications. Cyclic somatostatin (SRIF-14) is a growth hormone-release inhibiting factor used in the research of severe, acute hemorrhages of gastroduodenal ulcers. Cyclic somatostatin is a neuropeptide co-stored with acetylcholine in the cardiac parasympathetic innervation, exerts influences directly on contraction of ventricular cardiomyocytes. Cyclic somatostatin inhibits the contractile response of isoprenaline with an IC ₅₀ value of 13 nM. Cyclic somatostatin can be used for the research of cardiovascular disease ^{[1][2][3]} .
IC ₅₀ & Target	IC ₅₀ : 13 nM (contractile response of isoprenaline) ^[1]

REFERENCES

- [1]. Murray F, et al. Positive and negative contractile effects of somatostatin-14 on rat ventricular cardiomyocytes. *J Cardiovasc Pharmacol*. 2001 Mar;37(3):324-32.
- [2]. Bell D, et al. SRIF receptor subtype expression and involvement in positive and negative contractile effects of somatostatin-14 (SRIF-14) in ventricular cardiomyocytes. *Cell Physiol Biochem*. 2008;22(5-6):653-64.
- [3]. <https://pubmed.ncbi.nlm.nih.gov/9374319/>

Caution: Product has not been fully validated for medical applications. For research use only.

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