

[Ala1,3,11,15]-Endothelin (53-63)

Cat. No.:	HY-P1019
CAS No.:	121204-87-3
Molecular Formula:	C ₁₀₉ H ₁₆₃ N ₂₅ O ₃₂ S
Molecular Weight:	2367.67
Sequence Shortening:	ASASSLMDKEAVYFAHLDIIW
Target:	Endothelin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	[Ala1,3,11,15]-Endothelin (53-63) is an ET _B agonist. [Ala1,3,11,15]-Endothelin (53-63) has selectivity for ET _B with IC ₅₀ values range from 0.33 nM to 0.61 nM. [Ala1,3,11,15]-Endothelin (53-63) can be used for the research of vasoconstriction ^[1]
IC ₅₀ & Target	IC ₅₀ for ET _B : 0.61 nM (Bronchus); 0.61 nM (Lung); 0.33 nM (Cerebellum); 2200 nM (VSMC) ^[1]
In Vitro	[Ala1,3,11,15]-Endothelin (53-63) (0.1 μM) has selectivity for ET _B with IC ₅₀ values of 0.61 nM, 0.61 nM, 0.33 nM, 2200 nM in Bronchus, Lung, Cerebellum and VSMC, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Nakamichi K, et al. Different distribution of endothelin receptor subtypes in pulmonary tissues revealed by the novel selective ligands BQ-123 and [Ala1,3,11,15]ET-1. Biochem Biophys Res Commun. 1992 Jan 15;182(1):144-50.

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

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