

NODAGA-LM3

Cat. No.:	HY-P5362
CAS No.:	1415238-78-6
Molecular Formula:	C ₆₈ H ₉₀ ClN ₁₅ O ₁₉ S ₂
Molecular Weight:	1521.11
Sequence:	{NODAGA}-{p-Cl-Phe}-{d-Cys}-Tyr-{d-Phe(4-amino-carbamoyl)}-Lys-Thr-Cys-{d-Tyr}-NH ₂ (Disulfide bridge: Cys2-Cys8)
Sequence Shortening:	{NODAGA}-{p-Cl-Phe}-{d-Cys}-Y-{d-Phe(4-amino-carbamoyl)}-KTC-{d-Tyr}-NH ₂ (Disulfide bridge: Cys2-Cys8)
Target:	Somatostatin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	NODAGA-LM3 can be labeled by ⁶⁸ Ga for PET imaging. ⁶⁸ Ga-NODAGA-LM3 is a SSTR2 antagonist, and can be used for imaging of SSTR positive paragangliomas ^{[1][2]} .
IC ₅₀ & Target	SSTR2

REFERENCES

[1]. Fani M, et al. PET of somatostatin receptor-positive tumors using ⁶⁴Cu- and ⁶⁸Ga-somatostatin antagonists: the chelate makes the difference. J Nucl Med. 2011 Jul;52(7):1110-8.

[2]. Zhu W, et al. A Prospective, Randomized, Double-Blind Study to Evaluate the Safety, Biodistribution, and Dosimetry of ⁶⁸Ga-NODAGA-LM3 and ⁶⁸Ga-DOTA-LM3 in Patients with Well-Differentiated Neuroendocrine Tumors. J Nucl Med. 2021 Oct;62(10):1398-1405.

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

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