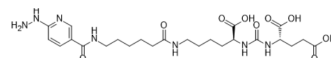


HYNIC-PSMA

Cat. No.:	HY-P5290
CAS No.:	2213408-17-2
Molecular Formula:	C ₂₄ H ₃₇ N ₇ O ₉
Molecular Weight:	567.59
Sequence:	Glu-Urea-Lys(Ahx-HYNIC)
Sequence Shortening:	Glu-Urea-Lys(Ahx-HYNIC)
Target:	PSMA
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HYNIC-PSMA is a ligand for molecular imaging of tumors. Hynic-psma consists of two components: HYNIC (6-hydrazinonicotinamide) and PSMA (Prostate-Specific Membrane Antigen). HYNIC is a compound used to attach radioactive isotopes to targeted molecules, such as ¹⁸⁸ Re-HYNIC-PSMA. PSMA is a membrane antigen that is specifically expressed on the surface of prostate cancer cells. HYNIC-PSMA can be used in prostate cancer research ^[1] .
In Vitro	In nuclear medicine, non-invasive imaging of prostate-specific membrane antigen (PSMA) can be achieved by binding radioisotopes to HYNIC-PSMA ligands. Tumor foci can also be located and visualized by targeting overexpressed PSMA on prostate cancer cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hadisi M, et al. Preclinical evaluation of ¹⁸⁸Re-HYNIC-PSMA as a novel therapeutic agent[J]. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331(2): 841-849.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA