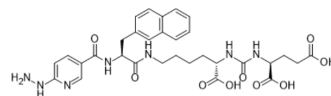


## HYNIC-iPSMA

Cat. No.:	HY-P5292
CAS No.:	2192215-74-8
Molecular Formula:	C <sub>31</sub> H <sub>37</sub> N <sub>7</sub> O <sub>9</sub>
Molecular Weight:	651.67
Sequence:	Hydrazinonicotinyl-Lys(Nal)-Urea-Glu
Sequence Shortening:	Hydrazinonicotinyl-Lys(Nal)-Urea-Glu
Target:	PSMA
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

HYNIC-iPSMA is a ligand for molecular imaging of tumors. Hynic-ipsma consists of two components: HYNIC (6-hydrazinonicotinamide) and iPSMA (Inhibitor of Prostate-Specific Membrane Antigen). HYNIC is a compound used to attach radioactive isotopes to targeted molecules. iPSMA is a specific inhibitor used to inhibit prostate-specific membrane antigen (PSMA). 68GA-labeled iPSMA has been used to detect prostate cancer by PET imaging. The further 99mTc-EDDA/HYNIC-iPSMA has excellent specificity and sensitivity<sup>[1]</sup>.

## REFERENCES

[1]. Ferro-Flores G, et al. Clinical translation of a PSMA inhibitor for 99mTc-based SPECT. Nucl Med Biol. 2017 May;48:36-44.

**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