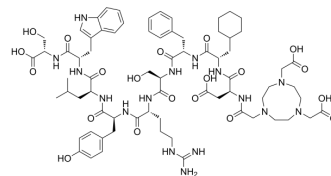


NOTA-AE105

Cat. No.:	HY-P5018
CAS No.:	1820563-84-5
Molecular Formula:	C ₇₂ H ₁₀₂ N ₁₆ O ₂₀
Molecular Weight:	1511.68
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 83.33 mg/mL (55.12 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	0.6615 mL	3.3076 mL	6.6152 mL
5 mM	0.1323 mL	0.6615 mL	1.3230 mL
10 mM	0.0662 mL	0.3308 mL	0.6615 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

NOTA-AE105 is an PET ligand of urokinase-type plasminogen activator receptor (uPAR), which can be radiolabeled by ⁶⁴Cu and ⁶⁸Ga. ⁶⁸Ga-NOTA-AE105 and ⁶⁴Cu-NOTA-AE105 shows high image contrast, resulting in clear tumor delineation^{[1][2]}.

IC₅₀ & Target

Urokinase-type plasminogen activator receptor (uPAR)^[2]

REFERENCES

- [1]. Risør LM, et al. Prognostic Value of Urokinase-Type Plasminogen Activator Receptor PET/CT in Head and Neck Squamous Cell Carcinomas and Comparison with 18F-FDG PET/CT: A Single-Center Prospective Study. J Nucl Med. 2022 Aug;63(8):1169-1176.
- [2]. Persson M, et al. uPAR is a promising new imaging biomarker in glioblastoma[J]. Journal of Nuclear Medicine, 2015.

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