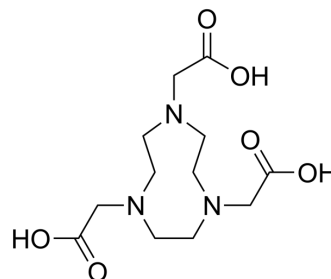


NOTA

Cat. No.:	HY-134418
CAS No.:	56491-86-2
Molecular Formula:	C ₁₂ H ₂₁ N ₃ O ₆
Molecular Weight:	303.31
Target:	Others
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 125 mg/mL (412.12 mM; Need ultrasonic)				
		Solvent	Mass		
		Concentration	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.2970 mL	16.4848 mL	32.9696 mL
		5 mM	0.6594 mL	3.2970 mL	6.5939 mL
10 mM		0.3297 mL	1.6485 mL	3.2970 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (329.70 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	NOTA is a bifunctional chelate which acts as the framework to construct PET imaging tools. NOTA also can be used for probe design and signal amplification via the multivalent effect ^{[1][2]} .
--------------------	---

REFERENCES

- [1]. Singh AN, et al. Multivalent bifunctional chelator scaffolds for gallium-68 based positron emission tomography imaging probe design: signal amplification via multivalency. *Bioconj Chem.* 2011;22(8):1650-1662.
- [2]. Liao AH, et al. Evaluation of 18F-labeled targeted perfluorocarbon-filled albumin microbubbles as a probe for microUS and microPET in tumor-bearing mice. *Ultrasonics.* 2013;53(2):320-327.

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