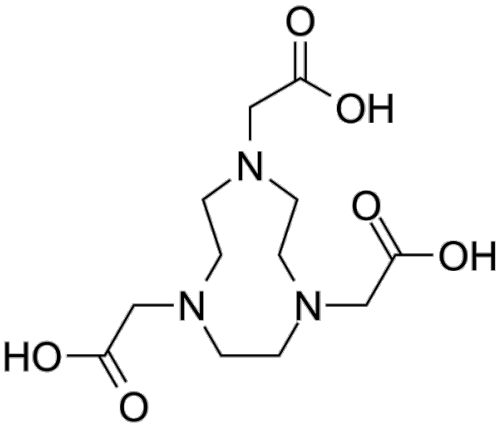
Product Data Sheet

Product Name: NOTA
Cat. No.: GC64318

Chemical Properties

Cas. No.	56491-86-2		
Formula	C12H21N3O6	M.Wt	303.31
Solubility	Water : 125 mg/mL (412.12 mM; Need ultrasonic)	Storage	-20°C, protect from light
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Product Data Sheet

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].

[1]. Singh AN, et al. Multivalent bifunctional chelator scaffolds for gallium-68 based positron emission tomography imaging probe design: signal amplification via multivalency. Bioconjug 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.
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