

Product Data Sheet

Product Name: NOTA
Cat. No.: GC64318

Chemical Properties

Cas. No. 56491-86-2

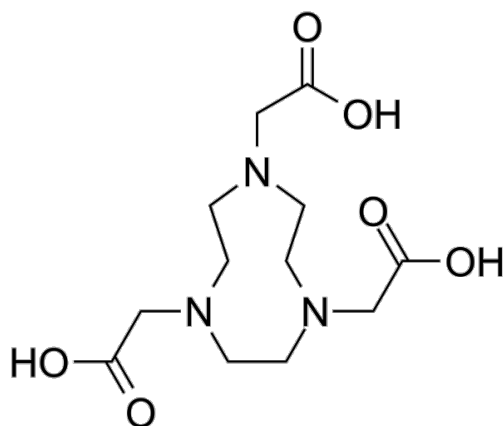
Formula C₁₂H₂₁N₃O₆ M.Wt 303.31

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

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

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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.

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