
Product Data Sheet

Product Name: DOTA-tri(t-butyl ester)

Cat. No.: GC62941

Chemical Properties

Cas. No. 137076-54-1

Formula C₂₈H₅₂N₄O₈

M.Wt 572.73

Solubility DMSO : 100 mg/mL (174.60 mM;
Need ultrasonic)Storage 4°C, protect from light, stored
under nitrogen

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**

DOTA-tri(t-butyl ester) can be used in the synthesis of generations 3 (G3) nanoglobular magnetic resonance imaging (MRI) contrast agents for MR angiography and tumor angiogenesis imaging[1].

[1]. Kaneshiro TL, et, al. Synthesis and evaluation of globular Gd-DOTA-monoamide conjugates with precisely controlled nanosizes for magnetic resonance angiography. *Biomacromolecules*. 2008 Oct;9(10):2742-8.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA