

Product Data Sheet

Product Name: DOTA-GA2(tBu)4

Cat. No.: GC81874

Chemical Properties

Cas. No. 1049020-11-2

Formula $C_{38}H_{68}N_4O_{12}$

M.Wt 772.97

Solubility Storage Store at 4°C, sealed storage, away from moisture

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-GA2 (tBu) 4 is a protected DOTA-based chelator precursor that can bind to radionuclides. DOTA-GA2 (tBu) 4 can be used to prepare radionuclide drugs, such as DOTADG-containing Exendin-4 derivatives [1] [2] [3].

References:

[1]. Iikuni S, et al. Development of an In-Labeled Glucagon-Like Peptide-1 Receptor-Targeting

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

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Exendin-4 Derivative that Exhibits Reduced Renal Uptake. Molecular pharmaceuticals. 2022 Mar 07;19(3):1019-1027.

[2]. Hasegawa T, et al. Development of Novel Radiotheranostic Ligand with Positively Charged Unit Targeting Prostate-Specific Membrane Antigen. Journal of medicinal chemistry. 2025 May 22;68(10):10190-10202.

[3]. Nakashima K, et al. Systematic Investigation of Fatty Acids with Different Carbon-Chain Length as Albumin Binder to Improve Tumor Accumulation of Radioligands. Bioconjugate chemistry. 2026 Jul 15;37(7):1377-1385.

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