

Product Data Sheet

Product Name: DOTA-GPC3 targeting peptide 2

Cat. No.: GC78793

Chemical Properties

Cas. No. 3066439-94-6

Formula $C_{107}H_{145}N_{21}O_{29}S$ M.Wt 2221.48

Solubility DMSO: ≥ 100 mg/mL (45.02 mM) Storage Store at -20°C, 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.

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

Product Data Sheet

Structure



Background

DOTA-GPC3 targeting peptide 2 (Sequence 30) is a RDC peptide targeting GPC3, with K_d of 0.3 nM. DOTA-GPC3 targeting peptide 2 is composed of DOTA and GPC3 targeting peptide 2. DOTA-GPC3 targeting peptide 2 can be labeled with radioactive elements [1].

In Vitro, DOTA-GPC3 targeting peptide 2 is used to achieve high affinity and high selectivity in binding to the GPC3 protein. GPC3 is an overexpressed tumor-associated antigen in various solid tumors (especially hepatocellular carcinoma), and it is an important drug target [1].

References:

[1]. Takeru Ehara, et al. Peptide compositions targeting glypican-3 and uses thereof. WO2024252336A1. WIPO (PCT). 2024-06-06.

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