
Product Data Sheet

Product Name: G3-C12
Cat. No.: GC34174

Chemical Properties

Cas. No. 848301-94-0

SMILES Ala-Asn-Thr-Pro-Cys-Gly-Pro-Tyr-Thr-His-Asp-Cys-Pro-Val-Lys-Arg

Formula C₇₄H₁₁₅N₂₃O₂₃S₂ M.Wt 1758.98

Solubility Soluble in DMSO Storage Store at -20°C

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

G3-C12 is a galectin-3 binding peptide, with K_d of 88 nM, and shows anticancer activity.

G3-C12 is a galectin-3 binding peptide, with high affinity (K_d) of 88 nM, but shows no affinity for other galectin family members or to other lectins. G3-C12 bearing copolymers N-(2-hydroxypropyl)methacrylamide (HPMA) potently and selectively targets colorectal cancer (CRC) tumour cells over-expressing galectin-3 and displays superior targetability to galectin-3 compared to the galactose bearing copolymer[1].

[1]. Kopansky E, et al. Peptide-directed HPMA copolymer-doxorubicin conjugates as targeted therapeutics for colorectal cancer. J Drug Target. 2011 Dec;19(10):933-43.

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

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