
Product Data Sheet

Product Name: LXW7
Cat. No.: GC36500

Chemical Properties

Cas. No. 1313004-77-1

Formula $C_{29}H_{48}N_{12}O_{12}S_2$ M.Wt 820.89

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

LXW7 is an octamer disulfide cyclic peptide, also a $\alpha v\beta 3$ integrin ligand, acts as a potent and specific endothelial progenitor cells (EPCs) and endothelial cells (ECs) targeting ligand. LXW7 increases phosphorylation of VEGFR-2 and activation of ERK1/2[1]. $\alpha v\beta 3$ [1]

[1]. Hao D, et al. Discovery and Characterization of a Potent and Specific Peptide Ligand Targeting Endothelial Progenitor Cells and Endothelial Cells for Tissue Regeneration. ACS Chem Biol. 2017 Apr 21;12(4):1075-1086.

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

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