
Product Data Sheet

Product Name: c(phg-isoDGR-(NMe)k)

Cat. No.: GC65455

Chemical Properties

Cas. No. 1844830-65-4

Formula C₂₇H₄₁N₉O₇ M.Wt 603.67

Solubility 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**

c(phg-isoDGR-(NMe)k) is a selective and potent $\alpha 5\beta 1$ -integrin ligand with an IC₅₀ of 2.9 nM[1].

c(phg-isoDGR-(NMe)k) is trimerized with the chelator TRAP and used as a positron-emission tomography tracer for monitoring $\alpha 5\beta 1$ integrin expression in a M21 mouse xenograft[1].

[1]. Kapp TG, et al. N-Methylation of isoDGR Peptides: Discovery of a Selective $\alpha 5\beta 1$ -Integrin Ligand as a Potent Tumor Imaging Agent. J Med Chem. 2018 Mar 22;61(6):2490-2499.

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

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