
Product Data Sheet

Product Name: c(phg-isoD-G-R-(NMe)k) TFA

Cat. No.: GC38128

Chemical Properties

Cas. No.

SMILES O=C(CNC(C[C@@H](C(O)=O)NC([C@@H](C1=CC=CC=C1)NC([C@H]2CCCCN)=O)=O)=O)N[C@@H](CCCNC(N)=N)C(N2C)=O.OC(C(F)(F)F)=O

Formula C₂₉H₄₂F₃N₉O₉ M.Wt 717.69

Solubility DMSO: 250 mg/mL (348.34 mM) 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-isoD-G-R-(NMe)k) TFA is a selective and potent $\alpha 5\beta 1$ -integrin ligand with an IC₅₀ of 2.9 nM[1].

c(phg-isoD-G-R-(NMe)k) TFA 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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