

c(phg-isoDGR- (NMe)k) TFA (1844830-65-4 free base)

Chemical Properties

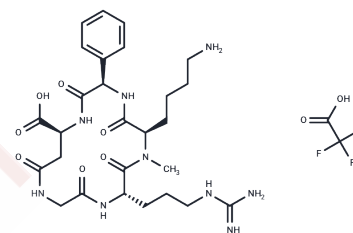
CAS No. :

Formula: C₂₉H₄₂F₃N₉O₉

Molecular Weight: 717.69

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	c(phg-isoDGR-(NMe)k) TFA is a potent and selective $\alpha 5\beta 1$ -integrin ligand (IC ₅₀ : 2.9 nM).
Targets(IC ₅₀)	Others
In vivo	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 an M21 mouse xenograft

Solubility Information

Solubility	DMSO: 250 mg/mL (348.34 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3934 mL	6.9668 mL	13.9336 mL
5 mM	0.2787 mL	1.3934 mL	2.7867 mL
10 mM	0.1393 mL	0.6967 mL	1.3934 mL
50 mM	0.0279 mL	0.1393 mL	0.2787 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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