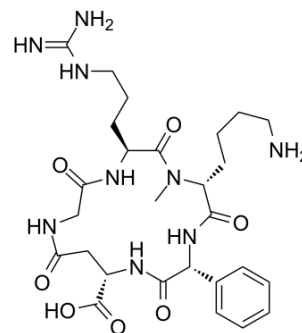


c(phg-isoDGR-(NMe)k)

Cat. No.:	HY-111413
CAS No.:	1844830-65-4
Molecular Formula:	C ₂₇ H ₄₁ N ₉ O ₇
Molecular Weight:	603.67
Target:	Integrin
Pathway:	Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	c(phg-isoDGR-(NMe)k) is a selective and potent $\alpha 5\beta 1$ -integrin ligand with an IC ₅₀ of 2.9 nM ^[1] .
IC₅₀ & Target	IC ₅₀ : 2.9 nM ($\alpha 5\beta 1$) ^[1]
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 a M21 mouse xenograft ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[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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