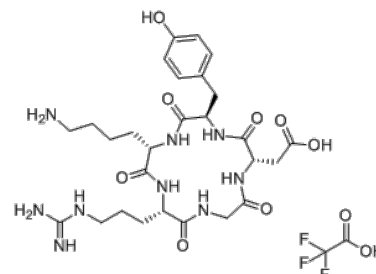


Product Name : Cyclo(RGDyK)
Cat. No. : PC-70068
CAS No. : 250612-42-1
Molecular Formula : C₃₁H₄₃F₆N₉O₁₂
Molecular Weight : 847.72
Target : Integrin
Solubility : 10 mM in DMSO



Biological Activity

Cyclo(RGDyK) (Cyclic Arg-Gly-Asp-D-Tyr-Lys) is a cyclic derivative of RGD, potent, selective **αVβ3 integrin** inhibitor with IC₅₀ of 20 nM.

Cyclo(RGDyK) is a recognition motif used by extracellular matrix proteins (vitronectin, fibrinogen, laminin, and collagen) to bind to a variety of integrins including αβ3.

References

- Haubner R, et al. *J Nucl Med*. 2001 Feb;42(2):326-36.
 Chen Y, et al. *PLoS One*. 2016 Mar 1;11(3):e0149952.
 Guo L, et al. *J Nanosci Nanotechnol*. 2014 Jul;14(7):4858-64.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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