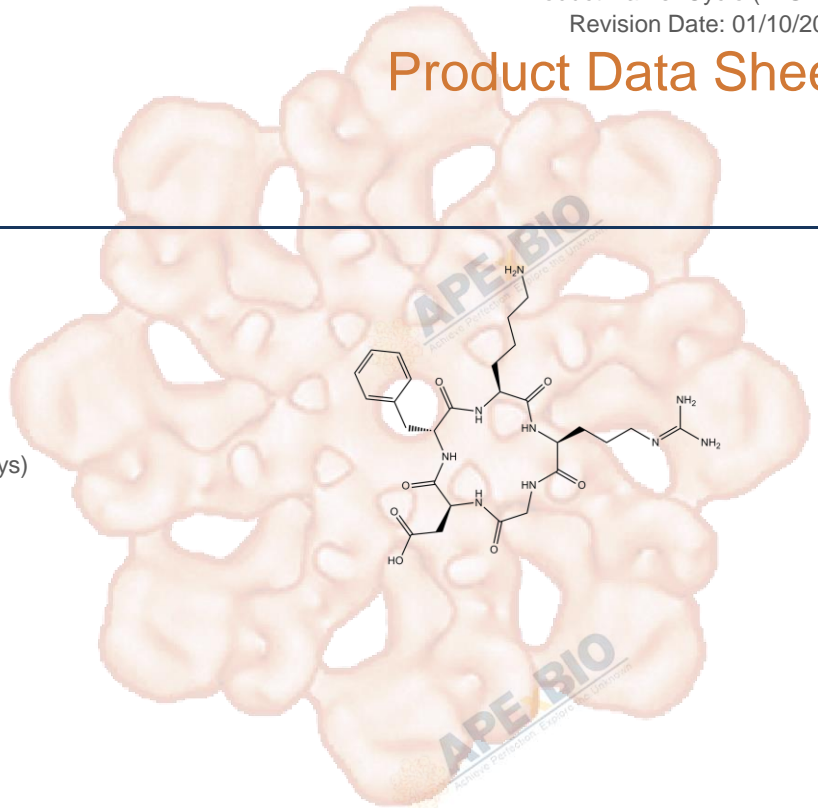


Product Data Sheet

Cyclo (-RGDfK)

Cat. No.:	A8164
CAS No.:	161552-03-0
Formula:	C27H41N9O7
M.Wt:	603.7
Synonyms:	Cyclo(-Arg-Gly-Asp-D-Phe-Lys)
Target:	Angiogenesis
Pathway:	Integrin
Storage:	Store at -20°C



Solvent & Solubility

≥30.19 mg/mL in DMSO; insoluble in EtOH; ≥59.2 mg/mL in H₂O

In Vitro

Preparing Stock Solutions	Solvent	Mass Concentration	Mass		
			1mg	5mg	10mg
		1 mM	1.6565 mL	8.2823 mL	16.5645 mL
		5 mM	0.3313 mL	1.6565 mL	3.3129 mL
		10 mM	0.1656 mL	0.8282 mL	1.6565 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

Inhibitor of αvβ3 integrin

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

1. Lee HN, Bosompra OA, Collier HA. "RECK isoforms differentially regulate fibroblast migration by modulating tubulin post-translational modifications." *Biochem Biophys Res Commun*. 2019 Mar 5;510(2):211-218. PMID:30704758
2. Lim C, Moon J, et al. "Cyclic RGD-conjugated Pluronic(®) blending system for active, targeted drug delivery." *Int J Nanomedicine*. 2018 Aug 10;13:4627-4639. PMID:30127610
3. Schneider G, Suszynska M, Kakar S, et al. "Vitronectin in the Ascites of Human Ovarian Carcinoma Acts as a Potent Chemoattractant for Ovarian Carcinoma: Implication for Metastasis by Cancer Stem Cells[J]." *Journal of Cancer Stem Cell Research*, 2016, 4: e1005.

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References

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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