



Product Data Sheet

Product Name: Cyclo(-RGDyK)
Catalog Number: AS-61183-5 (5 mg) **Lot Number:** See label on vial

Sequence: Cyclo(-Arg-Gly-Asp-D-Tyr-Lys) (3-letter code)
Cyclo(-RGDyK) (1-letter code)

Molecular Weight: 620.7

% Peak Area by HPLC: ≥ 95

Appearance: Lyophilized white powder

Peptide Reconstitution: Using H₂O, reconstitute by adding 100 μ l to 1 mg Cyclo(-RGDyK) peptide.

Storage: Cyclo(-RGDyK) peptide is shipped at ambient temperature. Upon receipt, store lyophilized peptide at -20°C or lower. Reconstituted peptide can be aliquoted and stored at -20°C or lower.

Additional Information: Listed below are relevant information that may provide a guideline on how to use this product. End users will have to adapt to their own specific applications.

Cyclo(RGDyK) peptide was from AnaSpec (CA, USA). In order to introduce a thiol group into cyclo(RGDyK) peptide (potent integrin $\alpha_v\beta_3$ antagonist), 1 mg of cyclo(RGDyK) was dissolved in 500 μ L of dry DMSO, to which was added 1 mg of S-acetylthioglycolic acid N-hydroxysuccinimide ester (SATA), and stirred over night at room temperature. Then 1 mL of 10% hydroxylamine was added and stirred for 3 h to deprotect a thiol group and to yield the thiolated RGD peptide cyclo(RGDy(ϵ -acetylthiol)K), denoted as RGD-SH. Zako, T. et al. *Biochem. Biophys. Res. Comm.* **381**, 54 (2009).

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Related Products:

Name	Cat #	Size
Cyclo [-RGDyK(HiLyte Fluor™ 750)], Abs/Em = 754/778 nm	AS-62333-01	0.1 mg
Cyclo (-RGDfK) (Cyclo(-RGDfK))	AS-61111	1 mg
Cyclo (-RADfK-), RGD negative control (Cyclo(-RADfK-))	AS-62351	1 mg

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