**Product Data Sheet**

**Product Name:** Cyclo (-GRGDSP)

**Catalog Number:**
- AS-61110 (1 mg)
- AS-61110-5 (5 mg)

**Sequence:**
- Cyclo(-Gly-Arg-Gly-Asp-Ser-Pro) (3-letter code)
- GRGDSP, N to C cyclized (1-letter code)

**Molecular Weight:** 569.6

**Peptide Purity:** >95%

**Appearance:** Lyophilized white powder

**Peptide Reconstitution:** Cyclo (-GRGDSP) peptide is freely soluble in water.

**Storage:** Cyclo (-GRGDSP) 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.

**Description:** This cyclic peptide is a potent vasodilator. It is more powerful than the linear GRGDSP (Cat# 22945, 22946) in changing the vascular tone of arterioles isolated from rat cremaster muscle. Ref: Mogford, JE. et al. Circulation Res. 79, 821 (1996).

**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.

To block integrin binding in the microvessel constructs, 10 mM cyclo-GRGDSP peptide (AnaSpec, San Jose, CA) was added to the construct before polymerization. Vessel constructs were then polymerized and imaged on day 0 and day 1 and compared with untreated control constructs. Kirkpatrick, ND. et al. Am. J. Physiol. Heart Circ. Physiol. 292, H3198 (2007).

The Petri dish was again rinsed three times with TBS and filled with 5 ml TBS plus 1% BSA and the indicated cations. In some experiments, 10 µg/ml HFN7.1, 1 mg/ml cyclo(GRGDSP) (AnaSpec, Inc.), or 10 µg/ml TS2/16 or 12G10 (Fig. 6 D) were added to the buffer-Kong, F. et al. J. Cell Biol. 185, 1275 (2009).

**Published Citations:**

### Related Products:

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<tr>
<th>Name</th>
<th>Cat #</th>
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<td>Prototype of RGD-containing peptide, FITC-labeled</td>
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