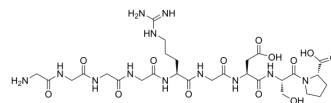


## G4RGDSP, integrin-binding peptide

Cat. No.:	HY-P6022
CAS No.:	774577-43-4
Molecular Formula:	C <sub>28</sub> H <sub>46</sub> N <sub>12</sub> O <sub>13</sub>
Molecular Weight:	758.74
Sequence:	Gly-Gly-Gly-Gly-Arg-Gly-Asp-Ser-Pro
Sequence Shortening:	GGGGRGDSP
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	G4RGDSP, Integrin-binding peptide is a cell integrin-binding peptide that targets integrin receptors. G4RGDSP, integrin-binding peptide is coupled to alginate to increase the viability of cells in the scaffold. G4RGDSP, integrin-binding peptide can be used as an extrudable carrier for chondrocyte delivery for the study of 3D printing technology <sup>[1][2]</sup>
<b>In Vitro</b>	G4RGDSP, integrin-binding peptide can increase the expression of aggrecan, collagen type II and sox9 genes in HAC cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Arya N, et al. RGDSP functionalized carboxylated agarose as extrudable carriers for chondrocyte delivery. *Mater Sci Eng C Mater Biol Appl*. 2019 Jun;99:103-111.
- [2]. Hill E, et al. Designing scaffolds to enhance transplanted myoblast survival and migration. *Tissue Eng*. 2006 May;12(5):1295-304.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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