



LKT Laboratories, Inc.

RGDV

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Product Information

Product ID R2514

CAS No. 93674-99-8

Chemical Name Arginyl-glycyl-aspartyl-valine

Synonym Rgdv tetrapeptide

Formula C₁₇H₃₁N₇O₇

Formula Wt. 445.5

Melting Point

Purity ≥98%

Solubility Soluble in water.

Store Temp -20° C

Ship Temp Ambient

Description RGDV is a tetrapeptide that delivers attached compounds to targets such as thrombus or tumor cells; it enhances efficacy of anticancer and anti-aggregation or anti-adhesion compounds. RGDV binds integrins on the surfaces of cells and prevents binding of fibrinogen to platelets.

Arg-Gly-Asp-Val

Bulk quantities available upon request

Product ID	Size
R2514	5 mg
R2514	10 mg
R2514	25 mg

References Jin S, Wang Y, Zhu H, et al. Nanosized aspirin-Arg-Gly-Asp-Val: delivery of aspirin to thrombus by the target carrier Arg-Gly-Asp-Val tetrapeptide. *ACS Nano*. 2013 Sep 24;7(9):7664-73. PMID: 23931063.

Wang F, Cui C, Ren Z, et al. Preparation and biological evaluation of tumor-specific Ara-C liposomal preparations containing RGDV motif. *J Pharm Sci*. 2012 Dec;101(12):4559-68. PMID: 23023730.

Zhao M, Wang C, Jiang X, et al. Synthesis of RGD containing peptides and their bioactivities. *Prep Biochem Biotechnol*. 2002 Nov;32(4):363-80. PMID: 12455829.

Preferred conformations of RGD tetrapeptides to inhibit the binding of fibrinogen to platelets.

Park HS, Kim C, Kang YK. *Biopolymers*. 2002 Apr 15;63(5):298-313. PMID: 11877740.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.