



## Product Information

**Product ID** A2412  
**CAS No.**  
**Chemical Name**  
  
**Synonym**  
  
**Formula**  $C_{14}H_{22}N_4O_7$   
**Formula Wt.** 360.37  
**Melting Point**  
**Purity**  $\geq 95\%$   
**Solubility** Soluble in water.

H-Ala-Gly-Asp-Val-OH

Product ID	Size
A2412	5 mg
A2412	10 mg
A2412	25 mg

**Store Temp**  $-20^{\circ}\text{C}$

**Ship Temp** Ambient

**Description** AGDV is a C-terminal peptide sequence found on fibrinogen that is known as a binding site for glycoprotein IIb/IIIa (integrin  $\alpha\text{IIb}\beta 3$ ); this binding is required for platelet adhesion and aggregation.

**References** Srokowski EM, Woodhouse KA. Evaluation of the bulk platelet response and fibrinogen interaction to elastin-like polypeptide coatings. *J Biomed Mater Res A*. 2014 Feb;102(2):540-51. PMID: 23505204.

Podolnikova NP, Gorkun OV, Loreth RM, et al. A cluster of basic amino acid residues in the gamma370-381 sequence of fibrinogen comprises a binding site for platelet integrin  $\alpha\text{IIb}\beta 3$  (glycoprotein IIb/IIIa). *Biochemistry*. 2005 Dec 27;44(51):16920-30. PMID: 16363805.

Liu Q, Rooney MM, Kasirer-Friede A, et al. Role of the gamma chain Ala-Gly-Asp-Val and Aalpha chain Arg-Gly-Asp-Ser sites of fibrinogen in coaggregation of platelets and fibrinogen-coated beads. *Biochim Biophys Acta*. 1998 Jun 11;1385(1):33-42. PMID: 9630497.

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