



>>Entry Name: Arginylglycylaspartic acid

Synonym(s): RGD

H-Arg-Gly-Asp-OH

Molecular Formula: C₁₂H₂₂N₆O₆

Molecular Weight: 346.342

Accurate Mass: 346.160084

Percentage Composition: C 41.62%; H 6.40%; N 24.27%; O 27.72%

General Statement: Fibronectin fragment

>>Variant: L-L-L-form

CAS Registry Number: 99896-85-2

Molecular Formula: C₁₂H₂₂N₆O₆

Molecular Weight: 346.342

Accurate Mass: 346.160084

Percentage Composition: C 41.62%; H 6.40%; N 24.27%; O 27.72%

Use/Importance: Mediates cell attachment within fibronectin and other proteins. Cell recognition signal

Sigma: A3167

References:

Plow, E.F. *et al.*, *Proc. Natl. Acad. Sci. U.S.A.*, 1985, **82**, 8057, (*props*)

Pytela, R. *et al.*, *Methods Enzymol.*, 1987, **144**, 475, (*rev*)

Ruoslahti, E. *et al.*, *Science (Washington, D.C.)*, 1987, **238**, 491, (*RGD sequence, rev*)

Ger. Pat., 1989, *Ellem Industria Farmaceutica*, 3 826 595; *CA*, **110**, 173767j, (*synth*)

Eggleston, D.S. *et al.*, *Int. J. Pept. Protein Res.*, 1990, **36**, 161, (*cryst struct*)

D'Souza, S.E. *et al.*, *Trends Biochem. Sci.*, 1991, **16**, 246, (*rev*)