

H-Arg-Gly-Asp-Cys-OH (trifluoroacetate salt)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	H-Arg-Gly-Asp-Cys-OH is a tetrapeptide that contains the arginine-glycine-aspartate (RGD) motif, a sequence that acts as a recognition site for various adhesion proteins. ¹ It inhibits the binding of fibrinogen to endothelial cells and ADP-stimulated platelets with IC ₅₀ values of 320 and 35 μM, respectively. ² Implantation of titanium rods coated with H-Arg-Gly-Asp-Cys-OH increases bone formation in rat femurs. ³ H-Arg-Gly-Asp-Cys-OH has been conjugated to polyethylenimine to improve gene transfection efficiency. ⁴
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Solubility Information

Solubility	Ethanol: 10 mg/mL PBS (pH 7.2): 10 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Park, H.S., Kim, C., and Kang, Y.K. Preferred conformations of RGD tetrapeptides to inhibit the binding of fibrinogen to platelets *Biopolymers* 63(5)298-313(2002)

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