

Product Data Sheet

Product Name: Cyclo(RADfK)

Cat. No.: GC30111

Chemical Properties

Cas. No. 756500-23-9

SMILES Cyclo(Ala-Asp-Phe-Lys-Arg)

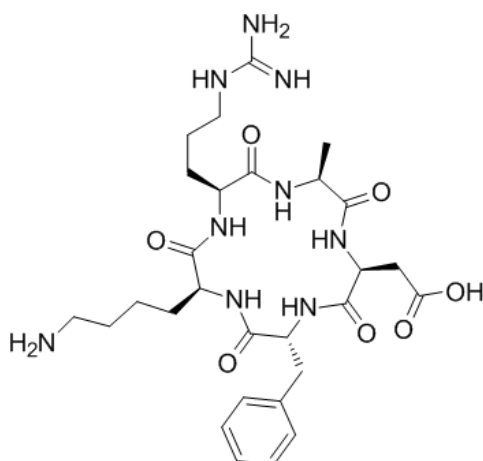
Formula C₂₈H₄₃N₉O₇ M.Wt 617.7

Solubility Water : ≥ 25 mg/mL (40.47 mM) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Cyclo(RADfK) is a selective $\alpha(v)\beta(3)$ integrin ligand that has been extensively used for research, therapy, and diagnosis of neoangiogenesis.

Cyclo(RADfK) is a negative control for the cyclo (-RGDfK-), the RGD peptide. RGD peptides are modulators of cell adhesion and are recognized by several members of the integrin family[1].

[1]. Srivatsan A, et al. Conjugation of cRGD peptide to chlorophyll a based photosensitizer (HPPH)

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

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alters its pharmacokinetics with enhanced tumor-imaging and photosensitizing (PDT) efficacy. Mol Pharm. 2011 Aug 1;8(4):1186-1197.

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