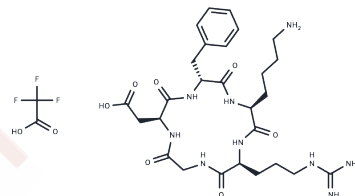


Cyclo(-RGDfK) TFA

Chemical Properties

CAS No. :	500577-51-5
Formula:	C ₂₉ H ₄₂ F ₃ N ₉ O ₉
Molecular Weight:	717.69
Storage:	Keep away from moisture, Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Cyclo(-RGDfK) is a selective $\alpha v\beta 3$ integrin inhibitor (IC ₅₀ : 0.94 nM).
Targets(IC ₅₀)	Integrin

Solubility Information

Solubility	DMSO: 100 mg/mL (139.34 mM), Sonication is recommended. H ₂ O: 33.33 mg/mL (46.44 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (5.57 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3934 mL	6.9668 mL	13.9336 mL
5 mM	0.2787 mL	1.3934 mL	2.7867 mL
10 mM	0.1393 mL	0.6967 mL	1.3934 mL
50 mM	0.0279 mL	0.1393 mL	0.2787 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Lopez-Rodriguez V, et al. Preparation and preclinical evaluation of (66)Ga-DOTA-E(c(RGDfK))2 as a potential theranostic radiopharmaceutical. Nucl Med Biol. 2015 Feb;42(2):109-14.

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