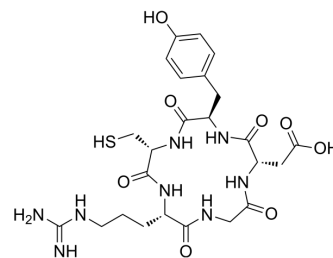


Cyclo(RGDyC)

Cat. No.:	HY-P5840
CAS No.:	1206475-79-7
Molecular Formula:	C ₂₄ H ₃₄ N ₈ O ₈ S
Molecular Weight:	594.64
Sequence:	cyclo(Arg-Gly-Asp-[d-Tyr]-Cys)
Sequence Shortening:	cyclo(RGD-[d-Tyr]C)
Target:	Biochemical Assay Reagents; Liposome
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	Sealed storage, away from moisture and light
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

SOLVENT & SOLUBILITY

In Vitro

DMSO : 83.33 mg/mL (140.14 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.6817 mL	8.4084 mL	16.8169 mL
5 mM	0.3363 mL	1.6817 mL	3.3634 mL
10 mM	0.1682 mL	0.8408 mL	1.6817 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Cyclo(RGDyC) is a cyclic pentapeptide with anti-angiogenic abilities. Cyclo(RGDyC) can be combined with liposome delivery systems for research on ocular neovascular diseases and cancer^{[1][2]}.

REFERENCES

- [1]. Lu Y, et al. Aqueous synthesized near-infrared-emitting quantum dots for RGD-based in vivo active tumour targeting. *Nanotechnology*. 2013 Apr 5;24(13):135101.
- [2]. Tang M, et al. Photostable and Biocompatible Fluorescent Silicon Nanoparticles-Based Theranostic Probes for Simultaneous Imaging and Treatment of Ocular Neovascularization. *Anal Chem*. 2018 Jul 3;90(13):8188-8195.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA