Data Sheet (Cat.No.TP1925L)

TargetMol

tcY-NH2 TFA(327177-34-4 free base)

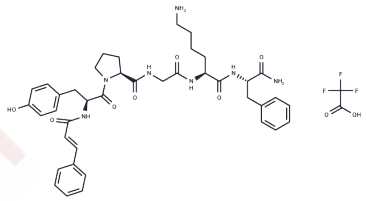
Chemical Properties

CAS No. :

Formula: C42H50F3N7O9

Molecular Weight: 853.9

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	tcY-NH2 TFA is a selective PAR4 antagonist peptide. Inhibits endostatin release and platelet aggregation induced by thrombin.
Targets(IC50)	Protease-activated Receptor

Solubility Information

Solubility	DMSO: 10 mM,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1711 mL	5.8555 mL	11.711 mL
5 mM	0.2342 mL	1.1711 mL	2.3422 mL
10 mM	0.1171 mL	0.5855 mL	1.1711 mL
50 mM	0.0234 mL	0.1171 mL	0.2342 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

Hollenberg et al (2004) Proteinase-activated receptor-4: evaluation of tethered ligand-derived peptides as probes for receptor function and as inflammatory agonists in vivo. Br.J.Pharmacol. 143 443 PMID:
Hollenberg and Saifeddine (2001) Proteinase-activated receptor 4 (PAR4): activation and inhibition of rat platelet aggregation by PAR4-derived peptides. Can.J.Physiol.Pharmacol. 79 439 PMID:
Ma et al (2001) Thrombin-induced platelet endostatin release is blocked by a proteinase activated receptor-4 (PAR4) antagonist. Br.J.Pharmacol. 134 701 PMID:

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