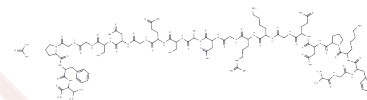


## Rusalatide acetate (497221-38-2 free base)

## Chemical Properties

CAS No. :	875455-82-6
Formula:	C99H151N29O37S
Molecular Weight:	2371.5
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Rusalatide acetate (TP508 amide acetate), a regenerative peptide, mitigates radiation-induced gastrointestinal injury by activating stem cells and preserving mucosal integrity.
Targets(IC50)	Others,Thrombin
In vitro	Rusalatide (TP508) is a peptide comprised of 23 amino acids, corresponding to positions 508-530 of human prothrombin. It has been recognized as the high-affinity binding domain of thrombin, essential for interaction with specific thrombin receptors on fibroblast surfaces, which is believed to trigger tissue repair[1].

## Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4217 mL	2.1084 mL	4.2167 mL
5 mM	0.0843 mL	0.4217 mL	0.8433 mL
10 mM	0.0422 mL	0.2108 mL	0.4217 mL
50 mM	0.0084 mL	0.0422 mL	0.0843 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

Kantara C, et al. Novel regenerative peptide TP508 mitigates radiation-induced gastrointestinal damage by activating stem cells and preserving crypt integrity. Lab Invest. 2015 Nov;95(11):1222-33.

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