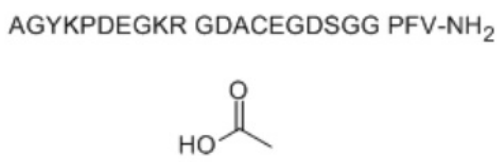
Product Data Sheet

Product Name: Rusalatide acetate
Cat. No.: GC34935

Chemical Properties

Cas. No.	875455-82-6		
Formula	$C_{99}H_{151}N_{29}O_{37}S$	M.Wt	2371.5
Solubility	Soluble in Water	Storage	-20°C, protect from light
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

Rusalatide acetate (TP508 amide acetate), a regenerative peptide, mitigates radiation-induced gastrointestinal damage by activating stem cells and preserving crypt integrity[1].

Rusalatide (TP508) is a 23 amino acid peptide representing amino acids 508-530 of human prothrombin that was identified as the high-affinity binding domain of thrombin responsible for interaction with a subset of thrombin receptors on the surface of fibroblasts thought to initiate tissue repair[1].

[1]. 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.