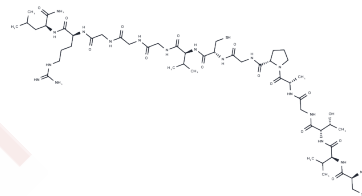


Resact

Chemical Properties

CAS No. :	91316-25-5
Formula:	C50H88N18O15S2
Molecular Weight:	1245.49
Storage:	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	Resact is an extracellular peptide from egg jelly of the sea urchin <i>Arbacia punctulata</i> .
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8029 mL	4.0145 mL	8.029 mL
5 mM	0.1606 mL	0.8029 mL	1.6058 mL
10 mM	0.0803 mL	0.4014 mL	0.8029 mL
50 mM	0.0161 mL	0.0803 mL	0.1606 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

- Ward GE, Brokaw CJ, Garbers DL, Vacquier VD. Chemotaxis of *Arbacia punctulata* spermatozoa to resact, a peptide from the egg jelly layer. *J Cell Biol.* 1985 Dec;101(6):2324-9. PubMed PMID: 3840805; PubMed Central PMCID: PMC2113998.
- Suzuki N, Garbers DL. Stimulation of sperm respiration rates by speract and resact at alkaline extracellular pH. *Biol Reprod.* 1984 Jun;30(5):1167-74. PubMed PMID: 6547354.
- Shimomura H, Garbers DL. Differential effects of resact analogues on sperm respiration rates and cyclic nucleotide concentrations. *Biochemistry.* 1986 Jun 3;25(11):3405-10. PubMed PMID: 3015204.
- Bentley JK, Shimomura H, Garbers DL. Retention of a functional resact receptor in isolated sperm plasma membranes. *Cell.* 1986 Apr 25;45(2):281-8. PubMed PMID: 2870813.

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