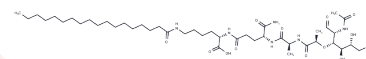


Romurtide

Chemical Properties

CAS No. :	78113-36-7
Formula:	C43H78N6O13
Molecular Weight:	887.126
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	Romurtide is a synthetic muramyl dipeptide analog and can be used for the prophylaxis of leukocytopenia during radiation therapy.
Targets(IC50)	Interleukin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1272 mL	5.6362 mL	11.2723 mL
5 mM	0.2254 mL	1.1272 mL	2.2545 mL
10 mM	0.1127 mL	0.5636 mL	1.1272 mL
50 mM	0.0225 mL	0.1127 mL	0.2254 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

- Nakajima R, Yshida Y, Akahane K, Sekiguchi M, Osada Y. Stimulatory effect of romurtide on hematopoiesis in monkeys. *Arzneimittelforschung*. 1991 Jan;41(1):60-5. PubMed PMID: 2049113.
- Namba K, Yamamura E, Nitani H, Otani T, Azuma I. Romurtide, a synthetic muramyl dipeptide derivative, promotes megakaryocytopoiesis through stimulation of cytokine production in nonhuman primates with myelosuppression. *Vaccine*. 1997 Mar;15(4):405-13. PubMed PMID: 9141212.
- Ueda H, Yamazaki M. Induction of tumor necrosis factor- α in solid tumor region by the orally administered synthetic muramyl dipeptide analogue, romurtide. *Int Immunopharmacol*. 2001 Jan;1(1):97-104. PubMed PMID: 11367521.
- Niki Y, Tatara O. Therapeutic and prophylactic effects of romurtide against experimental animal infections. *Adv Exp Med Biol*. 1992;319:185-91. PubMed PMID: 1414593.

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