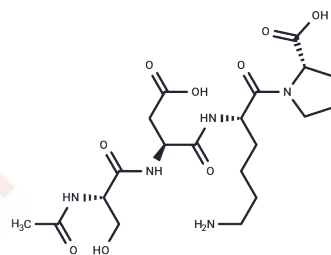


Goralatide

Chemical Properties

CAS No. :	120081-14-3
Formula:	C ₂₀ H ₃₃ N ₅ O ₉
Molecular Weight:	487.5
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	Goralatide, isolated from fetal calf bone marrow, exerts a high inhibitory activity on the proliferation of hematopoietic pluripotent stem cells.
Targets(IC50)	Ras

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0513 mL	10.2564 mL	20.5128 mL
5 mM	0.4103 mL	2.0513 mL	4.1026 mL
10 mM	0.2051 mL	1.0256 mL	2.0513 mL
50 mM	0.041 mL	0.2051 mL	0.4103 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

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- Li Z, Lebedyeva IO, Golubovskaya VM, Cance WG, Alamry KA, Faidallah HM, Dennis Hall C, Katritzky AR. Synthesis and bioactivity of a Goralatide analog with antileukemic activity. *Bioorg Med Chem.* 2015 Aug 1;23(15):5056-60. doi: 10.1016/j.bmc.2015.04.061. Epub 2015 May 14. PubMed PMID: 26048023.
- Bogden AE, Moreau JP, Gamba-Vitalo C, Deschamps de Paillette E, Tubiana M, Frindel E, Carde P. Goralatide (AcSDKP), a negative growth regulator, protects the stem cell compartment during chemotherapy, enhancing the myelopoietic response to GM-CSF. *Int J Cancer.* 1998 Mar 30;76(1):38-46. PubMed PMID: 9533760.
- Wierenga PK, Konings AW. Goralatide (AcSDKP) selectively protects murine hematopoietic progenitors and stem cells against hyperthermic damage. *Exp Hematol.* 1996 Feb;24(2):246-52. PubMed PMID: 8641348.

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