

## Goralatide acetate

## Chemical Properties

CAS No. :

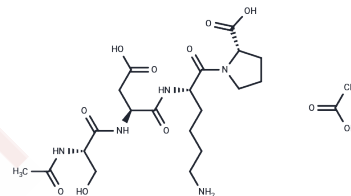
Formula: C<sub>22</sub>H<sub>37</sub>N<sub>5</sub>O<sub>11</sub>

Molecular Weight: 547.56

Keep away from moisture

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	Goralatide acetate is the endogenous natural tetrapeptide goralatide. Goralatide is a key negative regulator of physiological hematopoiesis and exhibits bone marrow-protective, anti-inflammatory, and anti-fibrotic biological activities. Goralatide specifically targets hematopoietic stem cells, arresting them in the G <sub>0</sub> /G <sub>1</sub> phase of the cell cycle and inhibiting the proliferation of primitive hematopoietic stem cells.
Targets(IC50)	Cell Cycle Arrest

## Solubility Information

Solubility	DMSO: 80 mg/mL (146.1 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8263 mL	9.1314 mL	18.2628 mL
5 mM	0.3653 mL	1.8263 mL	3.6526 mL
10 mM	0.1826 mL	0.9131 mL	1.8263 mL
50 mM	0.0365 mL	0.1826 mL	0.3653 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

Li Z, et al. Synthesis and bioactivity of a Goralatide analog with antileukemic activity. Bioorg Med Chem. 2015;23 (15):5056-5060.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481