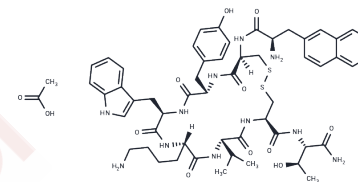


## Lanreotide acetate

## Chemical Properties

CAS No. :	2378114-72-6
Formula:	C56H73N11O12S2
Molecular Weight:	1156.39
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Lanreotide acetate (BIM 23014 acetate) is a somatostatin analogue with antineoplastic activity, used for carcinoid syndrome
Targets(IC50)	Others,Somatostatin
In vivo	In a mouse GH3 tumor xenograft model, lanreotide 10 mg/kg moderately inhibited the growth of GH3 tumors, with a 4x tumor growth delay (TGD) time that ranged from 4.5 to 8.3 days. Fractionated local tumor radiation alone significantly inhibited tumor growth and produced a TGD of 35.1+/-5.7 days for 250 cGy fractions[1].
Animal Research	Animal Model:Male nude mice, 8 weeks old and 20-25?g in body weight (GH3 tumor-bearing nude mice).Dosage: 2.5, 5, 10?mg/kg. Administration:Subcutaneous; daily for 5 days[1]

## Solubility Information

Solubility	DMSO: 125 mg/mL (108.1 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (1.73 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.8648 mL	4.3238 mL	8.6476 mL
5 mM	0.173 mL	0.8648 mL	1.7295 mL
10 mM	0.0865 mL	0.4324 mL	0.8648 mL
50 mM	0.0173 mL	0.0865 mL	0.173 mL

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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

Ning S, et al. Lanreotide promotes apoptosis and is not radioprotective in GH3 cells. *Endocr Relat Cancer*. 2009 Sep; 16(3):1045-55.

Lo T S , Hammer K D , Zegarra M , et al. Methenamine: a forgotten drug for preventing recurrent urinary tract infection in a multidrug resistance era[J]. *Expert Review of Anti Infective Therapy*, 2014, 12(5):549-554.

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