# Data Sheet (Cat.No.T37603L)



## Osteogenic Growth Peptide (10-14) acetate

### **Chemical Properties**

CAS No.:

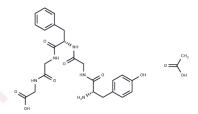
Formula: C26H33N5O9

Molecular Weight: 559.57

Appearance: no data available

keep away from moisture

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



### **Biological Description**

eogenic Growth Peptide (10-14) acetate (Osteogenic Growth Peptide) is a Src ibitor and an effective mitogen and stimulator of osteogenesis and hematopoiesis. eogenic Growth Peptide (10-14) acetate is responsible for the binding to the OGP
eptor and activates an intracell
ibroblast and osteoblast cell lines, Osteogenic Growth Peptide (10-14) acetate uced proliferation and differentiation[2]. Osteogenic Growth Peptide (10-14) acetate uced TPO-primed M07-e cells differentiation through RhoA/TGFβ1/SFKs signalling hway[3].
nice and rats, Osteogenic Growth Peptide (10-14) acetate increased bone formation d trabecular bone density and stimulated fracture healing[4].
e ik u h

### **Solubility Information**

Solubility	DMSO: 5.6 mg/mL (10 mM)	
	(< 1 mg/ml refers to the product slightly soluble or insoluble)	

#### **Preparing Stock Solutions**

	1mg	5mg	10mg
1 mM	1.7871 mL	8.9354 mL	17.8709 mL
5 mM	0.3574 mL	1.7871 mL	3.5742 mL
10 mM	0.1787 mL	0.8935 mL	1.7871 mL
50 mM	0.0357 mL	0.1787 mL	0.3574 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.

Page 1 of 2 www.targetmol.com

### Reference

Chen Z, et al. Regulation of endochondral ossification by osteogenic growth peptide C-terminal pentapeptide [OGP(10-14)]. Protein Pept Lett. 2009;16(9):1074-1080.



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:36 Washington Street, Wellesley Hills, MA 02481

Page 2 of 2 www.targetmol.com