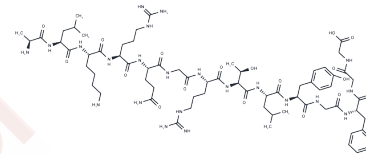


Osteogenic Growth Peptide, OGP

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 132996-61-3 |
| Formula: | C ₆₈ H ₁₁₀ N ₂₂ O ₁₈ |
| Molecular Weight: | 1523.74 |
| 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 | Osteogenic Growth Peptide (OGP) is a short, naturally occurring 14-mer growth factor peptide found in serum at μM concentrations and is a key factor in the systemic osteogenic response to local bone marrow injury. |
| Targets(IC50) | Endogenous Metabolite |

Solubility Information

| | |
|------------|--|
| Solubility | H ₂ O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.6563 mL | 3.2814 mL | 6.5628 mL |
| 5 mM | 0.1313 mL | 0.6563 mL | 1.3126 mL |
| 10 mM | 0.0656 mL | 0.3281 mL | 0.6563 mL |
| 50 mM | 0.0131 mL | 0.0656 mL | 0.1313 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

Moore NM, et al. The use of immobilized osteogenic growth peptide on gradient substrates synthesized via clickchemistry to enhance MC3T3-E1 osteoblast proliferation. *Biomaterials*. 2010 Mar;31(7):1604-11.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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