

## EGF Receptor Peptide Acetate

## Chemical Properties

CAS No. :

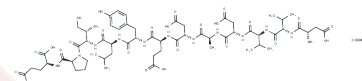
Formula: C63H97N13O25

Molecular Weight: 1436.52

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	Epidermal Growth Factor Receptor Peptide Acetate exists on the cell surface and is activated by the binding of its specific ligands. EGFR belongs to the ErbB family of receptor tyrosine kinases (RTK).
Targets(IC50)	Others
In vitro	This autophosphorylation elicits downstream activation and signaling by several other proteins that associate with the phosphorylated tyrosines through their own phosphotyrosine-binding SH2 domains. These downstream signaling proteins initiate several signal transduction cascades, principally the MAPK, Akt and JNK pathways, which lead to DNA synthesis and cell proliferation. Such proteins modulate phenotypes such as cell migration, adhesion, and proliferation. Activation of the receptor is important for the innate immune response in human skin.

## Solubility Information

Solubility	H2O: 10 mg/mL (6.96 mM), Sonication is recommended. DMSO: 133 mg/mL (92.58 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.6961 mL	3.4806 mL	6.9613 mL
5 mM	0.1392 mL	0.6961 mL	1.3923 mL
10 mM	0.0696 mL	0.3481 mL	0.6961 mL
50 mM	0.0139 mL	0.0696 mL	0.1392 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

Yan. L, Beckman RA (October 2005). "Pharmacogenetics and pharmacogenomics in oncology therapeutic antibody development". BioTechniques 39 (4): 565-8.

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