

## Epidermal Growth Factor

## Chemical Properties

CAS No. : 62253-63-8

Formula: C270H401N73O83S7

Molecular Weight: 6222

Storage: Store at low temperature, Keep away from moisture,  
Keep away from direct sunlight  
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 binds to epidermal growth factor receptor (EGFR) and stimulates cell growth and proliferation. It is approved for the treatment of diabetic foot ulcers.
Targets(IC50)	EGFR

## Solubility Information

Solubility	DMSO: 62.26 mg/mL (10.01 mM) H2O: Insoluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1607 mL	0.8036 mL	1.6072 mL
5 mM	0.0321 mL	0.1607 mL	0.3214 mL
10 mM	0.0161 mL	0.0804 mL	0.1607 mL
50 mM	0.0032 mL	0.0161 mL	0.0321 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

Plaut, Karen. Role of epidermal growth factor and transforming growth factors in mammary development and lactation.[J]. Journal of Dairy ence, 1993, 76(6):1526.

Huang X T, Li J H, Zhu X X, et al. HNRNPC impedes m6A-dependent anti-metastatic alternative splicing events in pancreatic ductal adenocarcinoma. Cancer Letters. 2021

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