

Epidermal growth factor receptor (994-1002) acetyl/amide

Chemical Properties

CAS No. :

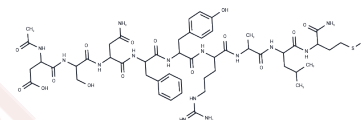
Formula: C₅₁H₇₆N₁₄O₁₅S

Molecular Weight: 1157.3

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	The epidermal growth factor receptor is the cell-surface receptor for members of the epidermal growth factor family of extracellular protein ligands.
Targets(IC50)	Others
In vitro	EGFR (epidermal growth factor receptor) exists on the cell surface and is activated by binding of its specific ligands, including epidermal growth factor and transforming growth factor α (TGF α). Mutations, amplification, or misregulations of EGFR or family members are implicated in about 30% of all epithelial cancers. Mutations involving EGFR could lead to its constant activation, which could result in uncontrolled cell division - a predisposition for cancer. Consequently, mutations of EGFR have been identified in several types of cancer, and it is the target of an expanding class of anticancer therapies [1][3].

Solubility Information

Solubility	DMSO: ≥ 115.7 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8641 mL	4.3204 mL	8.6408 mL
5 mM	0.1728 mL	0.8641 mL	1.7282 mL
10 mM	0.0864 mL	0.432 mL	0.8641 mL
50 mM	0.0173 mL	0.0864 mL	0.1728 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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