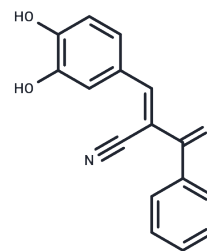


EGFR-IN-16

Chemical Properties

CAS No. :	133550-22-8
Formula:	C ₁₆ H ₁₁ NO ₃
Molecular Weight:	265.26
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	EGFR-IN-16 (AG473) is an inhibitor of EGFR in human A431 cells.
Targets(IC50)	EGFR,FGFR
In vivo	Expressed the EGFR-IN-16 lipoprotein from Neisseria meningitides, flagellin FlaB from Vibrio vulnificus and heat shock protein 70 from Mycobacterium tuberculosis (mHsp70) in Escherichia coli as single proteins and fusion proteins with VP2 protein of infectious bursal disease virus (IBDV).Both cellular and humoral adjuvantcities of the three TLR ligands were compared by immunization of mice in two different ways.Among the three co-administered TLR ligands, recombinant EGFR-IN-16 lipoprotein exhibited the highest cellular and humoral adjuvantcities, including promotion of IL-4, IL-12, IFN-γ and IBDV VP2-specific antibody production.Among the three genetically fused TLR ligands, fusion with EGFR-IN-16 D1 domain exhibited the highest cellular and humoral adjuvantcities.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7699 mL	18.8494 mL	37.6989 mL
5 mM	0.754 mL	3.7699 mL	7.5398 mL
10 mM	0.377 mL	1.8849 mL	3.7699 mL
50 mM	0.0754 mL	0.377 mL	0.754 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

Lu H , Zhang X , Wang Y , et al. Superior adjuvanticity of the genetically fused D1 domain of Neisseria meningitides Ag473 lipoprotein among three Toll-like receptor ligands[J]. Bioence Reports, 2020, 40(4).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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