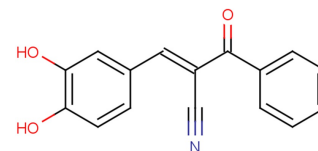


AG473

Chemical Properties

CAS No.:	133550-22-8
Formula:	C ₁₆ H ₁₁ NO ₃
Molecular Weight:	265.26
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	AG473 is an inhibitor of EGFR in human A431 cells.
Targets(IC ₅₀)	FGFR: None
In vivo	Expressed the Ag473 lipoprotein from <i>Neisseria meningitides</i> , flagellin FlaB from <i>Vibrio vulnificus</i> and heat shock protein 70 from <i>Mycobacterium tuberculosis</i> (mHsp70) in <i>Escherichia coli</i> as single proteins and fusion proteins with VP2 protein of infectious bursal disease virus (IBDV). Both cellular and humoral adjuvantivities of the three TLR ligands were compared by immunization of mice in two different ways. Among the three co-administered TLR ligands, recombinant Ag473 lipoprotein exhibited the highest cellular and humoral adjuvantivities, including promotion of IL-4, IL-12, IFN- γ and IBDV VP2-specific antibody production. Among the three genetically fused TLR ligands, fusion with Ag473 D1 domain exhibited the highest cellular and humoral adjuvantivities.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.77 mL	18.849 mL	37.699 mL
5 mM	0.754 mL	3.77 mL	7.54 mL
10 mM	0.377 mL	1.885 mL	3.77 mL
50 mM	0.075 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. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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).

Inhibitors · Natural Compounds · Compound Libraries

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