

Product Name : AG473

Synonyms : —

Cat No. : M22073

CAS Number : 133550-22-8

Molecular Formula : C₁₆H₁₁NO₃

Formula Weight : 265.26

Chemical Name : —

Description : AG473 is an inhibitor of EGFR in human A431 cells. Expressed the Ag473 lipoprotein from *Neisseria meningitidis*, 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 adjuvant activities 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 adjuvant activities, 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 adjuvant activities.

Pathway : Angiogenesis

Target : FGFR

Receptor : FGFR

Solubility : —

SMILES : OC1=C(O)C=C(C/C=C/C/C#N)C(=O)C2=CC=CC=C2)C=C1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

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