
Product Data Sheet

Product Name: Mutated EGFR-IN-2
 Cat. No.: GC36667

Chemical Properties

Cas. No. 2050906-97-1

SMILES C=CC(NC1=CC(NC2=NC=CC(N3C4=CC=C(F)C=C4N(C(C)C)C3=O)=N2)=C(OC)C=C1N(CCN(C)C)C)=O

Formula $C_{29}H_{35}FN_8O_3$ M.Wt 562.64

Solubility Soluble in DMSO Storage Store at -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath tips for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon Condition request.

Structure

Background

Mutated EGFR-IN-2 (compound 91) is a mutant-selective EGFR inhibitor extracted from patent WO2017036263A1, which potently inhibits single-mutant EGFR (T790M) and double-mutant EGFR (including L858R/T790M (IC₅₀=<1nM) and ex19del/T790M), and can suppress activity of single gain-of-function mutant EGFR (including L858R and ex19del) as well. Mutated EGFR-IN-2 shows anti-tumor activity[1]. EGFR T790M EGFR L858R EGFR ex19del EGFR (L858R/T790M) | <1 nM (IC₅₀) | EGFR (ex19del/T790M)

[1]. 2, 4-di-(nitrogen containing group) substituted pyrimidine compound and preparation method and use thereof.

Caution: Product has not been fully validated for medical applications. For research use only.

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