
Product Data Sheet

Product Name: EGFR mutant-IN-1

Cat. No.: GC35965

Chemical Properties

Cas. No.

SMILES O=C1C(C2=CC=CC(F)=C2Cl)=C(C)C3=CN=C(NC4=CC=C(N5CCN(C)CC5)C(C)=C4)N=C3N1[C@H]6CN(C(CC)=O)CCC6Formula C₃₄H₃₉ClFN₇O₂

M.Wt

632.17

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 for a while. Stock tips 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 request.
Condition

Structure

Background

EGFR mutant-IN-1, a 5-methylpyrimidopyridone derivative, is a potent and selective EGFR L858R/T790M/C797S mutant inhibitor with an IC₅₀ of 27.5 nM, while being a significantly less potent for EGFR WT (IC₅₀ >1.0 μM)[1]. IC₅₀: 27.5 nM (EGFR L858R/T790M/C797S) and >1.0 μM (EGFR WT)[1]

[1]. Shen J, et al. Structure-Based Design of 5-Methylpyrimidopyridone Derivatives as New Wild-Type Sparing Inhibitors of the Epidermal Growth Factor Receptor Triple Mutant (EGFR L858R/T790M/C797S). J Med Chem. 2019 Aug 8;62(15):7302-7308.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA