

Product Data Sheet

Product Name: EGFR-IN-11

Cat. No.: GC62562

Chemical Properties

Cas. No. 2463200-44-2

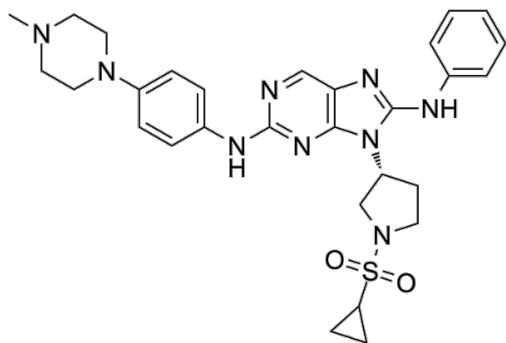
Formula $C_{29}H_{35}N_9O_2S$ M.Wt 573.71

Solubility DMSO : 125 mg/mL (217.88 mM; Need ultrasonic) Storage Store at -20°C

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

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

Structure



Background

EGFR-IN-11 is a fourth-generation EGFR-tyrosine kinase inhibitor (EGFR-TKI) with an IC₅₀ of 18 nM for triple mutant EGFR L858R/T790M/C797S. EGFR-IN-11 significantly suppresses the EGFR

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

Product Data Sheet

phosphorylation, induce the apoptosis, and arrest cell cycle at G0/G1[1].

EGFR-IN-11 (Compound D9; 0.0001-10 μ M; 72 hours) shows significantly potent anti-proliferation against HCC827 and H1975 cell lines with IC50s of 0.88 nM and 0.20 μ M, respectively[1]. EGFR-IN-11 (0.01-1.00 μ M for HCC827 cells; 0.1-10.00 μ M for H1975 and A549 cells; 8 hours) suppresses EGFR phosphorylation in a concentration-dependent manner in the HCC827, H1975 and A549 cell line[1]. EGFR-IN-11 (1 μ M; 24 h) potently induces the apoptosis of HCC827 cells.[1]EGFR-IN-11 (1 μ M; 24 h) induces cell cycle arrests in HCC827 cell[1].

[1]. Lei H, et al. Discovery of novel 9-heterocyclyl substituted 9H-purines as L858R/T790M/C797S mutant EGFR tyrosine kinase inhibitors. Eur J Med Chem. 2019 Nov 16:111888.

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