
Product Data Sheet

Product Name: PF-06873600

Cat. No.: GC32832

Chemical Properties

Cas. No. 2185857-97-8

SMILES O=S(N1CCC(NC2=NC3=C(C=C(C(F)F)C(N3[C@@H]4CCC[C@]4(O)C)=O)C=N2)CC1)(C)=OFormula C₂₀H₂₇F₂N₅O₄S M.Wt 471.52

Solubility DMSO : 83.33 mg/mL (176.73 mM) 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 Condition , or blue ice upon request.

Structure

Background

PF-06873600 is an inhibitor of cyclin-dependent kinase 2 (Cdk2), Cdk4, and Cdk6 (K_is = 0.13, 1.25, and 0.11 nM, respectively).¹ It is selective for these CDKs over Cdk1 and Cdk9 (K_is = 4.5 and 19.6 nM, respectively). PF-06873600 inhibits the phosphorylation of RB transcriptional corepressor 1 (RB1) in, and the proliferation of, OVCAR-3 ovarian cancer cells (EC₅₀s = 19 and 45 nM, respectively). *In vivo*, PF-06873600 (30 mg/kg) reduces tumor volume in CTG-0464 and CTG-01912 non-small cell lung cancer (NSCLC) patient-derived xenograft (PDX) mouse models.

1. Freeman-Cook, K.D., Hoffman, R.L., Behenna, D.C., et al. Discovery of PF-06873600, a CDK2/4/6 inhibitor for the treatment of cancer. *J. Med. Chem.* 64(13)9056-9077(2021)

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