

Product Data Sheet

Product Name: 6H05 (TFA)

Cat. No.: GC60533

Chemical Properties

Cas. No. 2061344-88-3

SMILES O=C(C1CCN(C(CSC2=CC=C(Cl)C=C2)=O)CC1)NCCSSCCN(C)C.O=C(O)C(F)(F)F

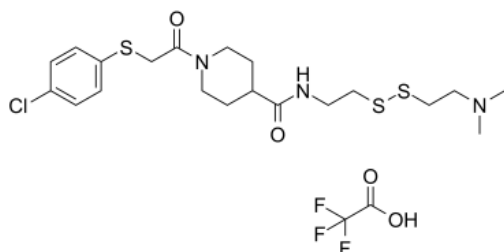
Formula C22H31ClF3N3O4S3 M.Wt 590.14

Solubility DMSO: ≥ 51 mg/mL (86.42 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, or blue ice upon request.

Structure



Background

6H05 TFA is a selective, and allosteric inhibitor of oncogenic mutant K-Ras(G12C). IC50 value: Target: K-Ras G12C. 6H05 gives the greatest degree of modification, which allosterically modifies the oncogenic G12C mutant of highly homologous protein H-Ras without affecting wild-type K-Ras [1]. 6H05 can be used as an intermediate for the synthesis of other oncogenic K-Ras(G12C) inhibitors [2].

[1]. Ostrem JM, et al. K-Ras(G12C) inhibitors allosterically control GTP affinity and effector

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

interactions. Nature. 2013 Nov 28;503(7477):548-51. [2]. Lu S, et al. Harnessing allostery: a novel approach to drug discovery. Med Res Rev. 2014 Nov;34(6):1242-85.

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