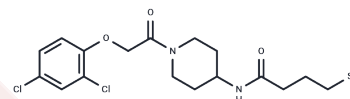


K-Ras(G12C) inhibitor 6

Chemical Properties

CAS No. : 2060530-16-5
 Formula: C₁₇H₂₂Cl₂N₂O₃S
 Molecular Weight: 405.34
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|--|
| Description | K-Ras(G12C) inhibitor 6 is an irreversible, allosteric inhibitor of the K-Ras(G12C) mutant, achieving 100% protein modification at 10 μ M after 24 hours in vitro. |
| Targets(IC50) | Raf,Ras |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 73 mg/mL (180.1 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.4671 mL | 12.3353 mL | 24.6706 mL |
| 5 mM | 0.4934 mL | 2.4671 mL | 4.9341 mL |
| 10 mM | 0.2467 mL | 1.2335 mL | 2.4671 mL |
| 50 mM | 0.0493 mL | 0.2467 mL | 0.4934 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Hunter JC, Gurbani D, Ficarro SB, Carrasco MA, Lim SM, Choi HG, Xie T, Marto JA, Chen Z, Gray NS, Westover KD. Proc Natl Acad Sci U S A. 2014 Jun 17;111(24):8895-900.
 Lim SM, Westover KD, Ficarro SB, Harrison RA, et al. Angew Chem Int Ed Engl. 2014 Jan 3;53(1):199-204.
 Sakamoto K, Kamada Y, Sameshima T, et al. Biochem Biophys Res Commun. 2017 Mar 11;484(3):605-611.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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