

K-Ras(G12C) inhibitor 6

Chemical Properties

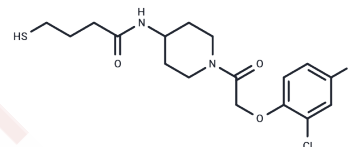
CAS No. : 2060530-16-5

Formula: C₁₇H₂₂Cl₂N₂O₃S

Molecular Weight: 405.33

The compound is unstable in solution. Please use soon

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(IC ₅₀)	Raf,Ras

Solubility Information

Solubility	DMSO: 73 mg/mL (180.1 mM), Sonication is recommended. The compound is unstable in solution. Please use soon. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4671 mL	12.3356 mL	24.6713 mL
5 mM	0.4934 mL	2.4671 mL	4.9343 mL
10 mM	0.2467 mL	1.2336 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481