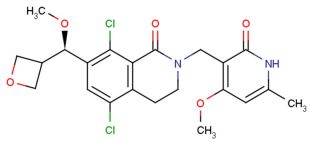
Data Sheet (Cat.No.T12430)

PF-06821497

Chemical Properties



CAS No.:	1844849-10-0
Formula:	C22H24Cl2N2O5
Molecular Weight:	467.34
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	PF-06821497 is a selective and orally active Enhancer of Zeste Homolog 2 (EZH2) inhibitor, with robust tumor growth inhibition.
Targets(IC_{50})	Y641N EZH2(ki): ki:<0.1 nM
In vivo	PF-06821497 treatment results in significant inhibition of tumor growth, and the the tumor regression effect can be sustained for another 40 days after the terminal administration[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.14 mL	10.699 mL	21.398 mL
5 mM	0.428 mL	2.14 mL	4.28 mL
10 mM	0.214 mL	1.07 mL	2.14 mL
50 mM	0.043 mL	0.214 mL	0.428 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Kung PP, et al. Optimization of Orally Bioavailable Enhancer of Zeste Homolog 2 (EZH2) Inhibitors Using Ligand and Property-Based Design Strategies: Identification of Development Candidate (R)-5,8-Dichloro-7-(methoxy(oxetan-3-yl)methyl)-2-((4-methoxy-6-methyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-3,4-dihydroisoquinolin-1(2H)-one (PF-06821497). J Med Chem. 2018 Feb 8;61(3):650-665.

Inhibitors · Natural Compounds · Compound Libraries

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

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