

**Product Name:** PF 06726304 acetate

**Catalog No.:** 6169

**Batch No.:** 1

CAS Number: 2080306-28-9

IUPAC Name: 5,8-Dichloro-2-[(1,2-dihydro-4,6-dimethyl-2-oxo-3-pyridinyl)methyl]-7-(3,5-dimethyl-4-isoxazolyl)-3,4-dihydro-1(2H)-isoquinolinone acetate

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>22</sub>H<sub>21</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>3</sub>·C<sub>2</sub>H<sub>4</sub>O<sub>2</sub>·¼H<sub>2</sub>O

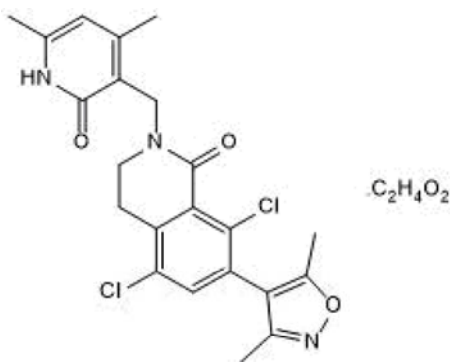
**Batch Molecular Weight:** 510.88

**Physical Appearance:** White solid

**Solubility:** DMSO to 100 mM  
ethanol to 100 mM

**Storage:** Store at RT

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 97% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	56.42	5.03	8.22
Found	56.03	4.63	8.07

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Description:**

PF 06726304 acetate is a highly potent and SAM-competitive EZH2 lysine methyltransferase inhibitor (IC<sub>50</sub> = 0.7 nM). Inhibits proliferation of Karpas-422 cells (non-Hodgkin's lymphoma) in vitro, and halts tumor growth and reduces intratumoral H3K27Me3 levels in mice.

**Physical and Chemical Properties:**

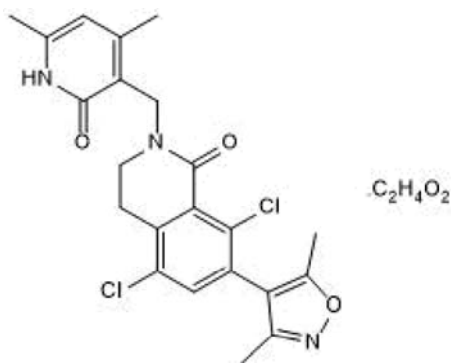
Batch Molecular Formula: C<sub>22</sub>H<sub>21</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>3</sub>·C<sub>2</sub>H<sub>4</sub>O<sub>2</sub>·¼H<sub>2</sub>O

Batch Molecular Weight: 510.88

Physical Appearance: White solid

**Minimum Purity:** ≥97%

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

DMSO to 100 mM  
ethanol to 100 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**Licensing Information:**

Sold for research purposes under agreement from Pfizer Inc.

**References:**

**Kung et al** (2016) Design and synthesis of pyridone-containing 3,4-dihydroisoquinoline-1(2H)-ones as a novel class of enhancer of zeste homolog 2 (EZH2) inhibitors. *J.Med.Chem.* **59** 8306. PMID: 27512831.

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