

Product Name: FPA 124

Catalog No.: 2926

Batch No.: 1

CAS Number: 902779-59-3

IUPAC Name: Dichloro[(2Z)-2-[(4-oxo-4H-1-benzopyran-3-yl)methylene]hydrazinecarbothioamide copper complex

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₁H₉Cl₂CuN₃O₂S

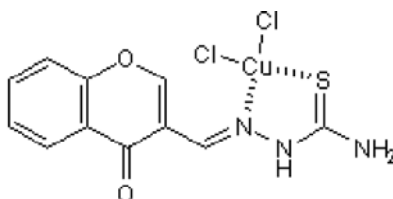
Batch Molecular Weight: 381.73

Physical Appearance: Green solid

Solubility: DMSO to 10 mM
ethanol to 10 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

Microanalysis:

	Carbon	Hydrogen	Nitrogen	Copper	Sulfur
Theoretical	34.61	2.38	11.01	16.65	8.4
Found	34.5	2.5	10.75	16.43	7.98

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

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Description:

Akt/PKB inhibitor (IC₅₀ = 100 nM) that interacts with the PH and kinase domains. Inhibits cell proliferation in various cancer cell lines in vitro and decreases NF-κB activity and tumor load in vivo.

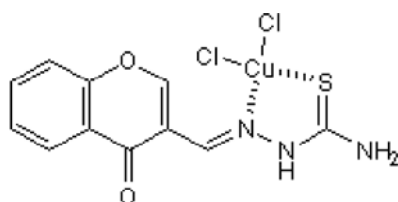
Physical and Chemical Properties:

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Batch Molecular Weight: 381.73

Physical Appearance: Green solid

Batch Molecular Structure:



Storage: Store at +4°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

DMSO to 10 mM

ethanol to 10 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.

References:

Barve *et al* (2006) Synthesis, molecular characterization, and biological activity of novel synthetic derivatives of chromen-4-one in human cancer cells. *J.Med.Chem.* **49** 3800. PMID: 16789737.

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