

Certificate of Analysis

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Product Name: SJ 172550

Catalog No.: 3929

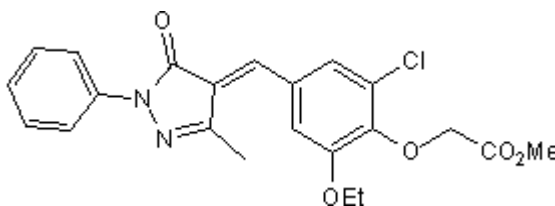
Batch No.: 1

CAS Number: 431979-47-4

IUPAC Name: 2-[2-Chloro-4-[(1,5-dihydro-3-methyl-5-oxo-1-phenyl-4*H*-pyrazol-4-ylidene)methyl]-6-ethoxyphenoxy]acetic acid methyl ester

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₂H₂₁ClN₂O₅
Batch Molecular Weight: 428.87
Physical Appearance: Orange solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.6% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	61.61	4.94	6.53
Found	61.74	5.02	6.66

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

Product Information

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Description:

MDMX inhibitor. Reversibly binds MDMX ($EC_{50} = 2.3 \mu M$). Inhibits the MDMX-p53 interaction in cultured retinoblastoma cells; frees p53 to induce apoptosis.

Physical and Chemical Properties:

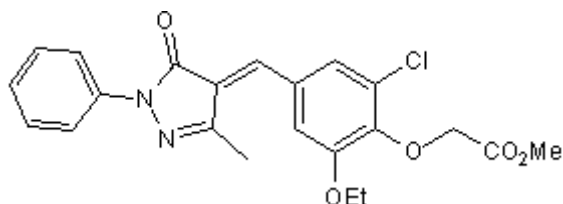
Batch Molecular Formula: $C_{22}H_{21}ClN_2O_5$

Batch Molecular Weight: 428.87

Physical Appearance: Orange solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO 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.

References:

Reed et al (2010) Identification and characterization of the first small molecule inhibitor of MDMX. *J.Biol.Chem.* **285** 10786. PMID: 20080970.

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