

Product Name: Oncrasin 1

Catalog No.: 3427

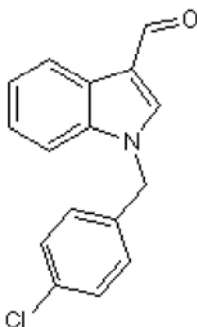
Batch No.: 1

CAS Number: 75629-57-1

IUPAC Name: 1-[(4-Chlorophenyl)methyl]-1*H*-indole-3-carboxaldehyde

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₁₂ClNO
Batch Molecular Weight: 269.73
Physical Appearance: Pale yellow solid
Solubility: DMSO to 100 mM
 ethanol to 25 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	71.25	4.48	5.19
Found	71.2	4.64	5.21

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

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Description:

Proapoptotic agent that induces abnormal nuclear aggregation of PKC ϵ and suppresses RNA transcription. Exhibits antiproliferative effects against various human tumor cell lines with K-Ras mutations ($IC_{50} \leq 3 \mu M$) with minimal effects on normal epithelial cells and inhibits human xenograft growth by 75% in vivo.

Physical and Chemical Properties:

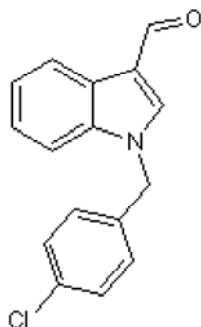
Batch Molecular Formula: C₁₆H₁₂ClNO

Batch Molecular Weight: 269.73

Physical Appearance: Pale yellow solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 25 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:

Guo et al (2009) Interruption of RNA processing machinery by a small compound, 1-[(4-chlorophenyl)methyl]-1*H*-indole-3-carboxaldehyde (oncrasin-1). *Mol.Cancer Ther.* **8** 441. PMID: 19208825.

Guo et al (2007) Identification of a small molecule with synthetic lethality for k-Ras and protein kinase C iota. *Cancer Res.* **68** 7403.

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