

**Product Name: Oncrasin 1**

**Catalog No.: 3427**

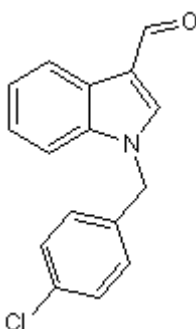
**Batch No.: 1**

CAS Number: 75629-57-1

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

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>16</sub>H<sub>12</sub>ClNO  
**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  
**<sup>1</sup>H 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

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**Description:**

Proapoptotic agent that induces abnormal nuclear aggregation of PKC $\delta$  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:**

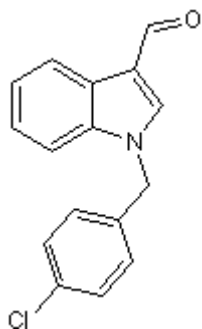
Batch Molecular Formula: C<sub>16</sub>H<sub>12</sub>ClNO

Batch Molecular Weight: 269.73

Physical Appearance: Pale yellow solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**References:**

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

**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.

**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.

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