

## Certificate of Analysis

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**Product Name:** LY 315920

**Catalog No.:** 5313

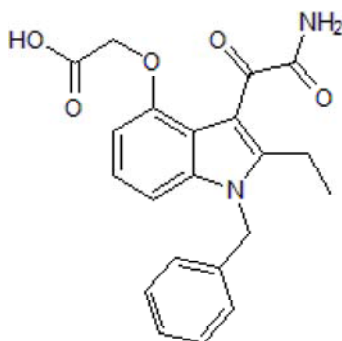
**Batch No.:** 1

CAS Number: 172732-68-2

IUPAC Name: 2-[[3-(2-Amino-2-oxoacetyl)-2-ethyl-1-(phenylmethyl)-1H-indol-4-yl]oxy]acetic acid

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>21</sub>H<sub>20</sub>N<sub>2</sub>O<sub>5</sub>  
**Batch Molecular Weight:** 380.39  
**Physical Appearance:** Off White solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**HPLC:** Shows 98.5% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	66.31	5.3	7.36
Found	65.98	5.29	7.34

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

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**Description:**

Selective secreted phospholipase A<sub>2</sub> (sPLA<sub>2</sub>) inhibitor (IC<sub>50</sub> = 50 - 750 nM for a range of sPLA<sub>2</sub> isoforms). Has no effect on cytosolic PLA<sub>2</sub> or COX-1 and COX-2 activity. Attenuates sPLA<sub>2</sub>-induced thromboxane formation in bronchoalveolar lavage (BAL) cells. Also suppresses sPLA<sub>2</sub>-induced contractions of lung pleural strips ex vivo. Orally available.

**Physical and Chemical Properties:**

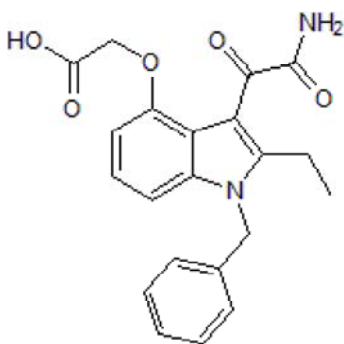
Batch Molecular Formula: C<sub>21</sub>H<sub>20</sub>N<sub>2</sub>O<sub>5</sub>

Batch Molecular Weight: 380.39

Physical Appearance: Off White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°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.

**Other Information:**

**INFORMATION FOR CUSTOMERS IN THE UK ONLY**

This product is a Schedule 1 Home Office controlled substance and customers in the UK are required to hold the relevant licence or be exempt from restrictions in order to purchase and possess this material.

**References:**

**Oslund et al** (2008) Highly specific and broadly potent inhibitors of mammalian secreted phospholipases A<sub>2</sub>. *J.Med.Chem.* **51** 4708. PMID: 18605714.

**Snyder et al** (1999) Pharmacology of LY315920/S-5920, [[3-(aminooxoacetyl)-2-ethyl-1-(phenylmethyl)-1H-indol-4-yl]oxy] acetate, a potent and selective secretory phospholipase A<sub>2</sub> inhibitor: A new class of anti-inflammatory drugs, SPI. *J.Pharmacol.Exp.Ther.* **288** 1117. PMID: 10027849.

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