

## Certificate of Analysis

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**Product Name:** LY 311727

**Catalog No.:** 3627

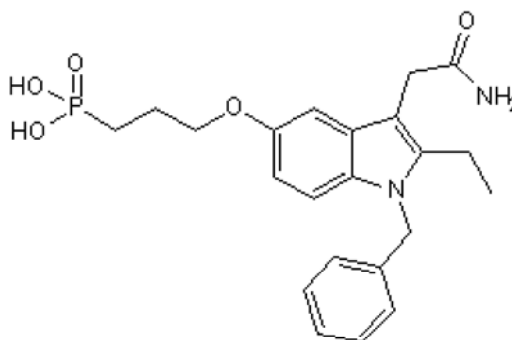
**Batch No.:** 2

CAS Number: 164083-84-5

IUPAC Name: [3-[[[3-(2-Amino-2-oxoethyl)-2-ethyl-1-(phenylmethyl)-1*H*-indol-5-yl]oxy]propyl]-phosphonic acid

### 1. PHYSICAL AND CHEMICAL PROPERTIES

<b>Batch Molecular Formula:</b>	C <sub>22</sub> H <sub>27</sub> N <sub>2</sub> O <sub>5</sub> P
<b>Batch Molecular Weight:</b>	430.43
<b>Physical Appearance:</b>	Brown solid
<b>Solubility:</b>	DMSO to 100 mM 1eq. NaOH to 100 mM
<b>Storage:</b>	Store at +4°C
<b>Batch Molecular Structure:</b>	



### 2. ANALYTICAL DATA

<b>HPLC:</b>	Shows 97.5% purity
<b><sup>1</sup>H NMR:</b>	Consistent with structure
<b>Mass Spectrum:</b>	Consistent with structure
<b>Microanalysis:</b>	

	Carbon	Hydrogen	Nitrogen
Theoretical	61.39	6.32	6.51
Found	61.32	6.26	6.51

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

**bio-techné.com**

info@bio-techné.com

techsupport@bio-techné.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techné.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

[www.tocris.com/distributors](http://www.tocris.com/distributors)

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**Description:**

Selective secreted phospholipase A<sub>2</sub> (sPLA<sub>2</sub>) inhibitor (IC<sub>50</sub> values are <1 μM for group IIA and <50 μM for group V). Attenuates VEGF-mediated platelet-activating factor (PAF) synthesis in BAEC and HUVEC cells at a concentration of 100 μM.

**Physical and Chemical Properties:**

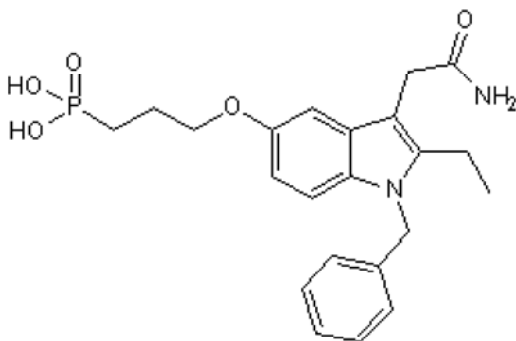
Batch Molecular Formula: C<sub>22</sub>H<sub>27</sub>N<sub>2</sub>O<sub>5</sub>P

Batch Molecular Weight: 430.43

Physical Appearance: Brown solid

**Minimum Purity:** >97%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 100 mM

1eq. NaOH 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:**

**Bernatchez *et al*** (2001) VEGF stimulation of endothelial cell PAF synthesis is mediated by group V 14 kDa secretory phospholipase A<sub>2</sub>. *Br.J.Pharmacol.* **134** 197. PMID: 11522612.

**Bridonneau *et al*** (1997) High-affinity aptamers selectively inhibit human nonpancreatic secretory phospholipase A<sub>2</sub> (hnps-PLA<sub>2</sub>). *J.Med.Chem* **41** 778.

**Schevitz *et al*** (1995) Structure-based design of the first potent and selective inhibitor of human non-pancreatic secretory phospholipase A<sub>2</sub>. *Nat.Struct.Biol.* **2** 429. PMID: 7664101.

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