

Product Name: LY 311727

Catalog No.: 3627

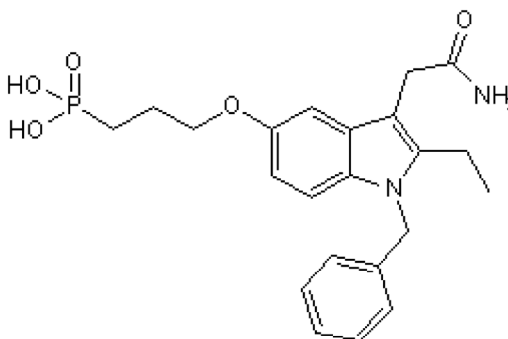
Batch No.: 2

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

Batch Molecular Formula: C₂₂H₂₇N₂O₅P
Batch Molecular Weight: 430.43
Physical Appearance: Brown solid
Solubility: DMSO to 100 mM
 1eq. NaOH to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 97.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	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

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

Description:

Selective secreted phospholipase A₂ (sPLA₂) inhibitor (IC₅₀ 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:

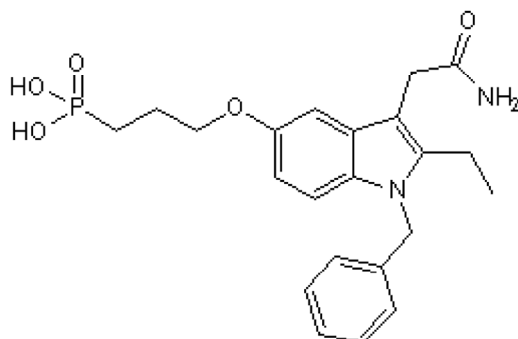
Batch Molecular Formula: C₂₂H₂₇N₂O₅P

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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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:

Bernatchez *et al* (2001) VEGF stimulation of endothelial cell PAF synthesis is mediated by group V 14 kDa secretory phospholipase A₂. Br.J.Pharmacol. **134** 197. PMID: 11522612.

Bridonneau *et al* (1997) High-affinity aptamers selectively inhibit human nonpancreatic secretory phospholipase A₂ (hnp-sPLA₂). 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 A₂. Nat.Struct.Biol. **2** 429. PMID: 7664101.

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