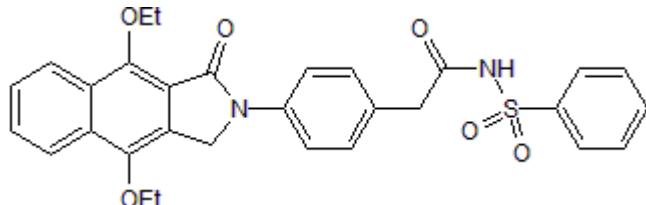


Certificate of Analysiswww.tocris.com**Product Name:** GW 627368**Catalog No.:** 4668**Batch No.:** 1

CAS Number: 439288-66-1

IUPAC Name: 4-(4-,9-Diethoxy-1,3-dihydro-1-oxo-2H-benz[f]isoindol-2-yl)-N-(phenylsulfonyl)benzeneacetamide

1. PHYSICAL AND CHEMICAL PROPERTIES**Batch Molecular Formula:** C₃₀H₂₈N₂O₆S·½H₂O**Batch Molecular Weight:** 549.12**Physical Appearance:** White solid**Solubility:** DMSO to 100 mM**Storage:** Store at -20°C**Batch Molecular Structure:****2. ANALYTICAL DATA****TLC:** R_f = 0.25 (Dichloromethane:Methanol [95:5])**HPLC:** Shows >99.8% purity**¹H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 65.62 5.23 5.1

Found 65.53 5.17 5.18

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

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Product Name: **GW 627368**

Catalog No.: **4668**

Batch No.: **1**

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IUPAC Name: 4-(4-(9-Diethoxy-1,3-dihydro-1-oxo-2H-benz[f]isoindol-2-yl)-N-(phenylsulfonyl)benzeneacetamide

Description:

Selective prostanoid EP₄ receptor competitive antagonist with additional affinity at TP receptors (pK_i values are 7.0 and 6.8 in competition radioligand bioassays). Affinity for all other prostanoid receptors is < 5.3. Inhibits U-46619 induced human platelet aggregation.

Physical and Chemical Properties:

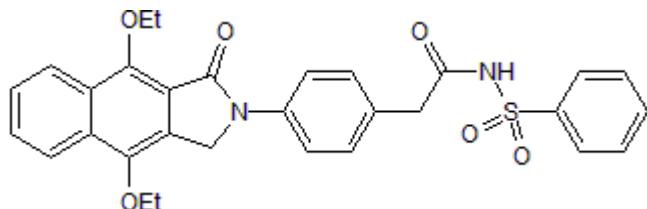
Batch Molecular Formula: C₃₀H₂₈N₂O₆S·½H₂O

Batch Molecular Weight: 549.12

Physical Appearance: 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.

References:

Jones and Chan et al (2005) Investigation of the agonist activity of prostacyclin analogues on prostanoid EP₄ receptors using GW 627368 and taprostene: evidence for species differences. *Prostaglandins Leukot. Essent. Fatty Acids.* **72** 289. PMID: 15763441.

Wilson et al (2006) GW627368X ((N-{2-[4-(4,9-diethoxy-1,3-dihydro-2H-benzof[f]isoindol-2-yl)phenyl]acetyl} benzene sulphonamide): a novel, potent and selective prostanoid EP₄ receptor antagonist. *Br.J.Pharmacol.* **148** 326. PMID: 16604093.

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