

Product Name: GS 143

Catalog No.: 5636

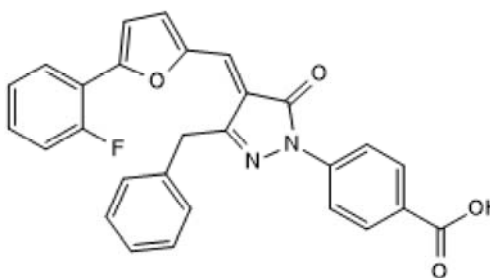
Batch No.: 1

CAS Number: 916232-21-8

IUPAC Name: 4-[4-[[5-(2-Fluorophenyl)-2-furanyl]methylene]-4,5-dihydro-5-oxo-3-(phenylmethyl)-1H-pyrazol-1-yl]benzoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₈H₁₉FN₂O₄
Batch Molecular Weight: 466.46
Physical Appearance: Purple solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows >99.2% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	72.1	4.11	6.01
Found	72.18	4.08	5.99

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

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Description:

β -TrCP1 ligase inhibitor. Inhibits I κ B α ubiquitination (IC₅₀ = 5.2 μ M) without affecting proteasome activity. Blocks LPS-induced expression of inflammatory cytokines in human myelomonocytic cells. Suppresses antigen-induced NF κ B expression, inflammation and mucus production in airways of OVA-sensitized mice.

Physical and Chemical Properties:

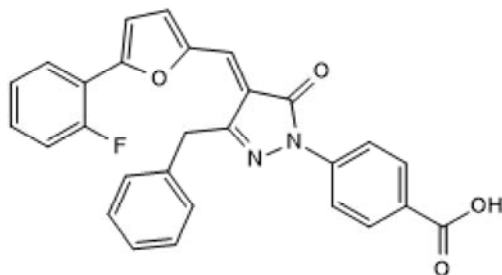
Batch Molecular Formula: C₂₈H₁₉FN₂O₄

Batch Molecular Weight: 466.46

Physical Appearance: Purple solid

Minimum Purity: \geq 98%

Batch Molecular Structure:



Storage: Store at +4°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:

Hirose *et al* (2008) GS143, an I κ B ubiquitination inhibitor, inhibits allergic airway inflammation in mice. *Biochem.Biophys.Res.Comm.* **374** 507. PMID: 18656449.

Nakajima *et al* (2008) A novel small-molecule inhibitor of NF- κ B signaling. *Biochem.Biophys.Res.Comm.* **368** 1007. PMID: 18275844.

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