

Certificate of Analysis

Product Name: GSK 9027

Catalog No.: 4116

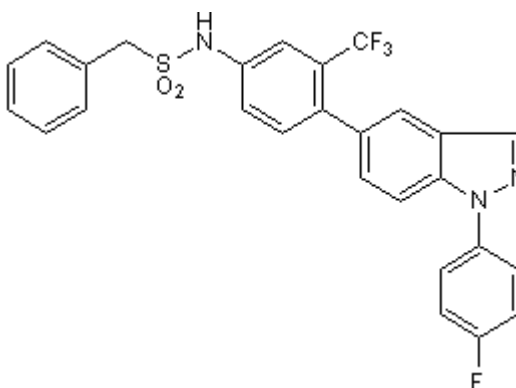
Batch No.: 2

CAS Number: 1229096-88-1

IUPAC Name: *N*-[4-[1-(4-Fluorophenyl)-1*H*-indazol-5-yl-3-(trifluoromethyl)phenyl]benzenesulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₇H₁₉F₄N₃O₂S
Batch Molecular Weight: 525.52
Physical Appearance: Off-white solid
Solubility: DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.69 (Ethyl acetate:Petroleum ether [1:2])
HPLC: Shows 99.3% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	61.71	3.64	8
Found	61.44	3.6	7.95

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

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Description:

Glucocorticoid receptor agonist (pIC₅₀ = 8). Inhibits production of the proinflammatory mediator IL-6 in vivo.

Physical and Chemical Properties:

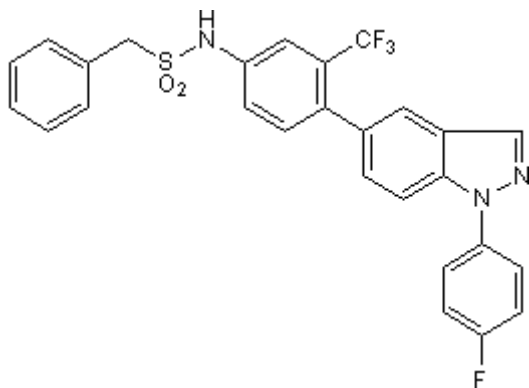
Batch Molecular Formula: C₂₇H₁₉F₄N₃O₂S

Batch Molecular Weight: 525.52

Physical Appearance: Off-white solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at RT

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:

Yates *et al* (2010) Structure guided design of 5-arylindazole glucocorticoid receptor agonists and antagonists. *J.Med.Chem.* **53** 4531. PMID: 20469868.

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