

Product Name: GSK 2795039

Catalog No.: 6848

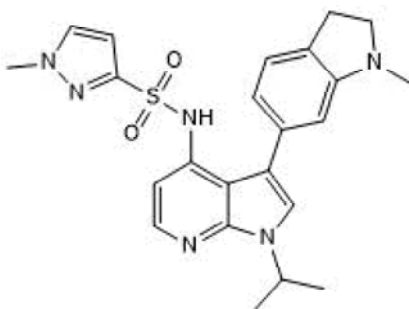
Batch No.: 1

CAS Number: 1415925-18-6

IUPAC Name: *N*-[3-(2,3-Dihydro-1-methyl-1*H*-indol-6-yl)-1-(1-methylethyl)-1*H*-pyrrolo[2,3-*b*]pyridin-4-yl]-1-methyl-1*H*-pyrazole-3-sulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₃H₂₆N₆O₂S.
Batch Molecular Weight: 450.56
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at -20°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 | 61.31 | 5.82 | 18.65 |
| Found | 61.27 | 5.83 | 18.71 |

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Description:

GSK 2795039 is a NADPH oxidase 2 (NOX2) inhibitor (pIC₅₀ value is 5.5 to 6.5, depending on assay performed), which displays selectivity for NOX2 other NOX isoforms, xanthine oxidase and eNOS. GSK 2795039 inhibits reactive oxygen species (ROS) in cellular assays, and displays efficacy in rodent models of paw inflammation and acute pancreatitis.

Physical and Chemical Properties:

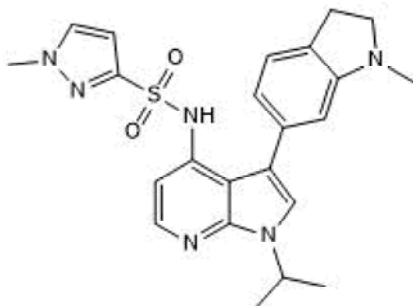
Batch Molecular Formula: C₂₃H₂₆N₆O₂S.

Batch Molecular Weight: 450.56

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:

Hirano *et al* (2015) Discovery of GSK2795039, a novel small molecule NADPH oxidase 2 inhibitor. *Antioxid.Redox.Signal.* **23** 358. PMID: 26135714.

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