

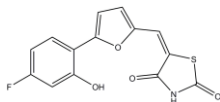
PRODUCT: AS-252424

ALTERNATE NAMES: AS 252424; AS252424; 5-[[5-(4-Fluoro-2-hydroxyphenyl)-2-furanyl]methylene]-2,4-thiazolidinedione; (E)-5-((5-(4-fluoro-2-hydroxyphenyl)furan-2-yl)methylene)thiazolidine-2,4-dione, PI3K γ /CKII Inhibitor

CATALOG #: B1611-5, -25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₄H₈FNO₄S

MOLECULAR WEIGHT: 305.3

CAS NUMBER: 900515-16-4

APPEARANCE: Yellow solid

SOLUBILITY: DMSO (20 mg/mL)

PURITY: \geq 98% by HPLC

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: AS-252424 is a potent inhibitor of PI3K with selectivity for the γ isoform. It inhibits human recombinant PI3K γ IC₅₀= 30 nM, PI3K α IC₅₀=940 nM, PI3K β IC₅₀=20,000 nM and PI3K δ IC₅₀= 20,000 nM respectively. AS-252424 also inhibits C5a-mediated phosphorylation of Akt in RAW 264.7 macrophages with an IC₅₀=230 nM. In a mouse model of peritonitis, PI 3-K γ this compound inhibited neutrophil recruitment 35% at a dose of 10 mg/kg.

REFERENCES: 1. Pomel, V., et al. J. Med. Chem. 2006, 49, 3857

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- AS 604850 (2339)
- PF-04691502 (2289)
- P529 (2462)
- XL765 (2551)

USAGE: *FOR RESEARCH USE ONLY! Not to be used in humans*