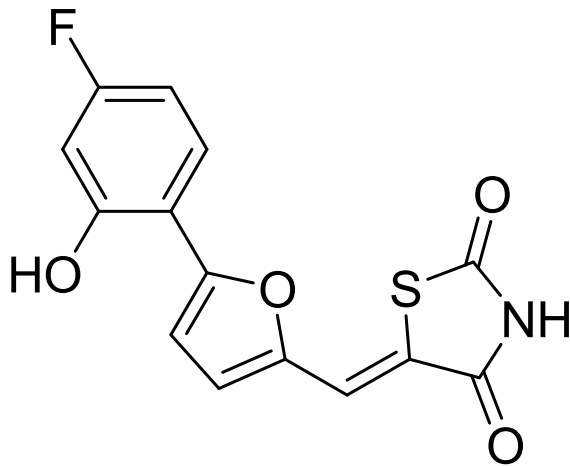


**AS-252424**

**SYN-1009**



(5Z)-5-[[5-(4-fluoro-2-hydroxyphenyl)-2-furanyl]methylene]-2,4-Thiazolidinedione

CAS Registry No.: 900515-16-4

Smiles String:

c1cc(c(cc1F)O)c2ccc(o2)/C=C\3/C(=O)NC(=O)S3

Molecular Weight: 305.28

Molecular Formula: C<sub>14</sub>H<sub>8</sub>FNO<sub>4</sub>S

Lot Number: Refer to vial

<sup>1</sup>H-NMR: Available on request

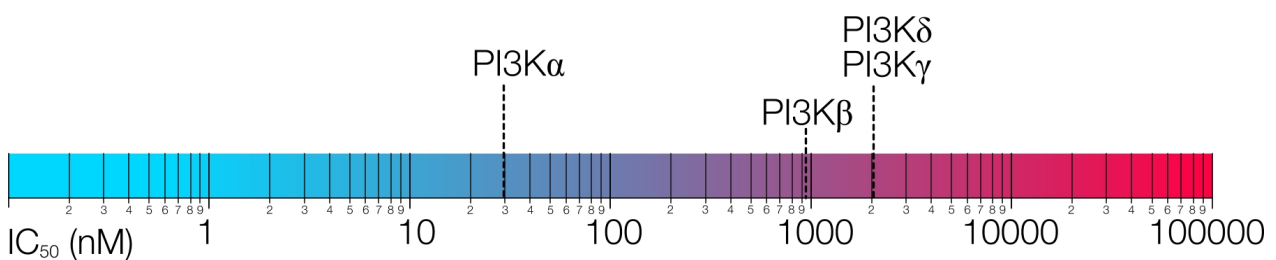
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

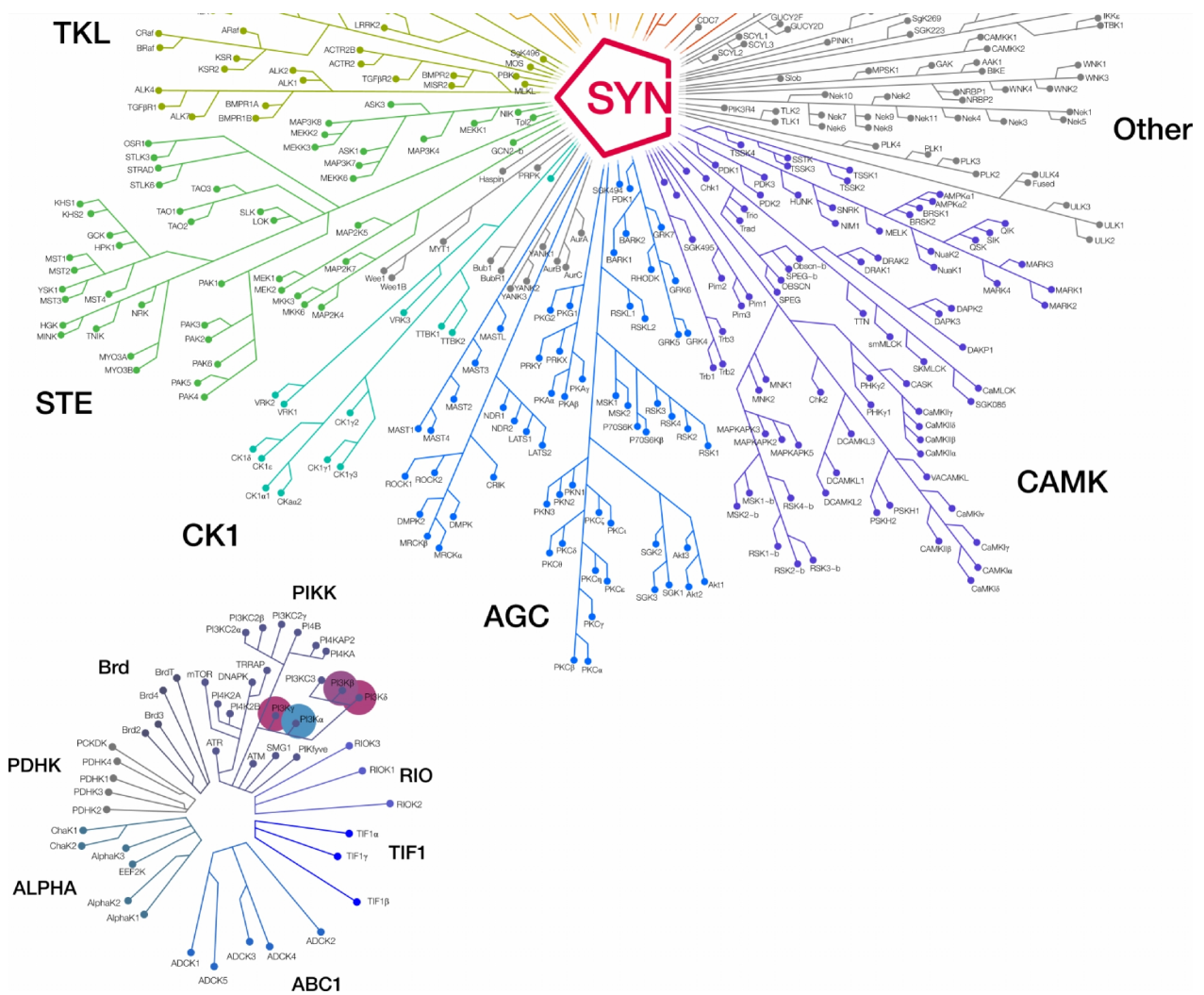
## Description:

AS-252424 is a potent and selective PI3K inhibitor. It inhibits human recombinant PI3K alpha, beta, gamma and delta with IC<sub>50</sub> values of 30, 940, 20,000, and 20,000 nM respectively.

## Biological Activity



# Kinome Mapping



## Shipping and Storage Temperature

**Shipping:**  
Ambient

**Storage:**  
2 years -20C, Powder 1 month, -4C in DMSO, More than one month -80C in DMSO

## Solubility

DMSO 61mg/mL, Ethanol <1mg/mL

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## Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3053	3.0530	6.1060	15.2650

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## References

1. Pomel V, Klicic J, Covini D, Church DD, Shaw JP, Roulin K, Burgat-Charvillon F, Valognes D, Camps M, Chabert C, Gillieron C, Françon B, Perrin D, Leroy D, Gretener D, Nichols A, Vitte PA, Carboni S, Rommel C, Schwarz MK, Rückle T . Furan-2-ylmethylene thiazolidinediones as novel, potent, and selective inhibitors of phosphoinositide 3-kinase gamma. J Med Chem. 2006 Jun 29;49(13):3857-71.

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## Ordering Information

To order more of this or any other SYNkinase compound, go to [synkinase.com](http://synkinase.com), Call us Toll Free (US Only) at 1- 877-854-6273 or email [orders@synkinase.com](mailto:orders@synkinase.com).

Product Datasheet (Rev. 1.1)