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## Product Data Sheet

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Product Name: PI3Ky inhibitor 1

Cat. No.: GC36910

### Chemical Properties

Cas. No. 1172118-03-4

SMILES O=C1N(C2=CC=CC=C2C)C(CN3N=C(C4=CC=C(N=C(NC(C)=O)S5)C5=C4)C6=C3N=CN=C6N)=CC7=CC=CC(C)=C71Formula C<sub>32</sub>H<sub>26</sub>N<sub>8</sub>O<sub>2</sub>S

M.Wt

586.67

Solubility Soluble in DMSO

Storage

Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure 

### Background

PI3Ky inhibitor 1 is a PI3Kδ and PI3Ky inhibitor extracted from patent WO2014004470A1, Compound 168 in Table 4, has IC<sub>50</sub>s of <100 nM. PI3Kδ|100 nM (IC<sub>50</sub>)|PI3Ky|100 nM (IC<sub>50</sub>)|PI3Kα|10 μM (IC<sub>50</sub>)|PI3Kβ|10 μM (IC<sub>50</sub>)

In Table 3, PI3Ky inhibitor 1 (Compound 168) inhibits PI3Kδ, PI3Ky, PI3Kα and PI3Kβ with IC<sub>50</sub>s of <100 nM, <100 nM, <10 μM and <10 μM, respectively. PI3Ky inhibitor 1 inhibits B cell proliferation with an EC<sub>50</sub><100 nM.

[1]. Vito J. Palombella, et al. Treatment of lupus, fibrotic conditions, and inflammatory myopathies and other disorders using pi3 kinase inhibitors. WO 2014004470 A1.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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