

**TASP0415914****SYN-1208**

N-(5-(3-(3-hydroxypiperidin-1-yl)-1,2,4-oxadiazol-5-yl)-4-methylthiazol-2-yl)acetamide

**CAS Registry No.:** 1292300-75-4

**Smiles String:**

CC(=O)Nc1nc(C)c2c(s1)C(=N2)C3=CC(=C(C3)N=C(NC(C)=O)S3)=N2)C1

**Molecular Weight:** 323.37

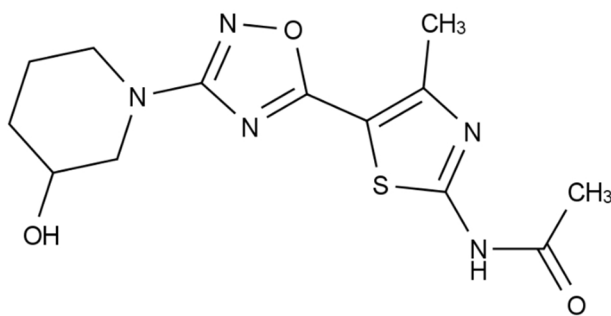
**Molecular Formula:** C<sub>13</sub>H<sub>17</sub>N<sub>5</sub>O<sub>3</sub>S

**Lot Number:** Refer to vial

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

**HPLC (Purity):** > 95.0% @ 254 nm

**ES-MS:** Available on request



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## Description:

PI3K  $\gamma$  is required for T-cell and B-cell as well as mast cell migration and degranulation. As such, these kinases are attractive targets for potential anti-inflammatory drugs. TASP0415914 has shown excellent results in cell based assays. It is orally available and has performed well in murine in vivo models. PI3K  $\gamma$  IC<sub>50</sub> 29 nM, AKT IC<sub>50</sub> 294 nM.

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## Biological Activity

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## Kinome Mapping

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## Shipping and Storage Temperature

### Shipping:

Ambient

### Storage:

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

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## Solubility

Soluble in DMSO

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## Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3234	3.2340	6.4680	16.1700

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## References

1. Oka Y, Yabuuchi T, Oi T, Kuroda S, Fujii Y, Ohtake H, Inoue T, Wakahara S, Kimura K, Fujita K, Endo M, Taguchi K, Sekiguchi Y. Discovery of N-{5-[3-(3-hydroxypiperidin-1-yl)-1,2,4-oxadiazol-5-yl]-4-methyl-1,3-thiazol-2-yl}acetamide (TASP0415914) as an orally potent phosphoinositide 3-kinase  $\gamma$  inhibitor for the treatment of inflammatory diseases. *Bioorg Med Chem*. 2013 Dec 15;21(24):7578-83. doi: 10.1016/j.bmc.2013.10.042. Epub 2013 Nov 7. PubMed PMID: 24262886.

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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)