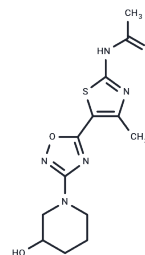


TASP0415914

Chemical Properties

CAS No. : 1292300-75-4
 Formula: C₁₃H₁₇N₅O₃S
 Molecular Weight: 323.37
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	TASP0415914 is an orally potent inhibitor of phosphoinositide 3-kinase γ (PI3K γ). T
Targets(IC50)	Akt,PI3K
In vivo	TASP0415914 demonstrated good potency in a cell-based assay and, furthermore, exhibited in vivo efficacy in a collagen induced arthritis (CIA) model in mice after oral administration[1].

Solubility Information

Solubility	DMSO: 11 mg/mL (34.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.18 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0924 mL	15.4622 mL	30.9243 mL
5 mM	0.6185 mL	3.0924 mL	6.1849 mL
10 mM	0.3092 mL	1.5462 mL	3.0924 mL
50 mM	0.0618 mL	0.3092 mL	0.6185 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Oka Y , Yabuuchi T , Oi T , et al. 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 γ inhibitor for the treatment of inflammatory diseases[J]. *Bioorganic & Medicinal Chemistry*, 2013, 21(24):7578-7583.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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