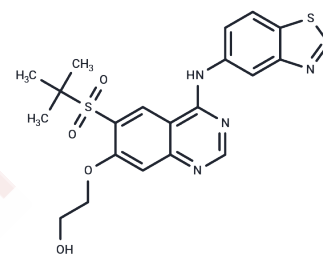


GSK2983559 active metabolite

Chemical Properties

CAS No. :	1423186-80-4
Formula:	C ₂₁ H ₂₂ N ₄ O ₄ S ₂
Molecular Weight:	458.55
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	GSK2983559 active metabolite (RIPK2-IN-1) is a potent, selective receptor-interacting protein-2 (RIP2) kinase inhibitor.
Targets(IC50)	RIP kinase

Solubility Information

Solubility	DMSO: 26.5 mg/mL (57.79 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (4.36 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	2.1808 mL	10.9039 mL	21.8079 mL
5 mM	0.4362 mL	2.1808 mL	4.3616 mL
10 mM	0.2181 mL	1.0904 mL	2.1808 mL
50 mM	0.0436 mL	0.2181 mL	0.4362 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

Linda N. Casillas, et al. Prodrugs of amino quinazoline kinase inhibitor. PCT Int. Appl. (2014), WO 2014043446 A1 20140320.

Zheng S, Li Y, Song X, et al. OTUD1 ameliorates cerebral ischemic injury through inhibiting inflammation by disrupting K63-linked deubiquitination of RIP2. Journal of Neuroinflammation. 2023, 20(1): 281.

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