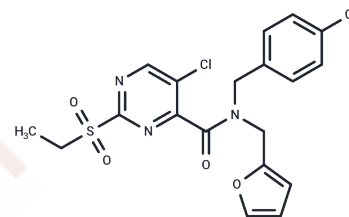


ZAP-180013

Chemical Properties

CAS No. : 873080-25-2
 Formula: C₁₉H₁₇Cl₂N₃O₄S
 Molecular Weight: 454.33
 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	ZAP-180013 is an inhibitor of zeta-chain-associated protein kinase 70 (ZAP70, IC ₅₀ : 1.8 μM).
Targets(IC ₅₀)	Tyrosinase, Tyrosine Kinases

Solubility Information

Solubility	DMSO: 250 mg/mL (550.26 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: 5 mg/mL (11.01 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	2.201 mL	11.0052 mL	22.0104 mL
5 mM	0.4402 mL	2.201 mL	4.4021 mL
10 mM	0.2201 mL	1.1005 mL	2.201 mL
50 mM	0.044 mL	0.2201 mL	0.4402 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

Patrick R Visperas, et al. Identification of Inhibitors of the Association of ZAP-70 With the T Cell Receptor by High-Throughput Screen. SLAS Discov. 2017 Mar;22(3):324-331.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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