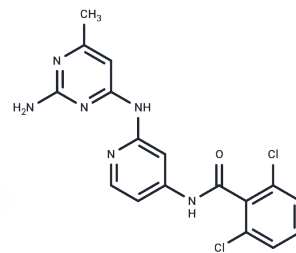


RO495

Chemical Properties

CAS No. :	1258296-60-4
Formula:	C ₁₇ H ₁₄ Cl ₂ N ₆ O
Molecular Weight:	389.24
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	RO495 (CS-2667), a potent inhibitor of TYK2, inhibits TYK2 with IC ₅₀ of 1.5nM as tested in cell-based pharmacological assays
Targets(IC ₅₀)	JAK, Tyrosine Kinases

Solubility Information

Solubility	DMSO: 9 mg/mL (23.12 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: 1 mg/mL (2.57 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	2.5691 mL	12.8455 mL	25.6911 mL
5 mM	0.5138 mL	2.5691 mL	5.1382 mL
10 mM	0.2569 mL	1.2846 mL	2.5691 mL
50 mM	0.0514 mL	0.2569 mL	0.5138 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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