

VVD-214

Chemical Properties

CAS No. : 3026500-20-6

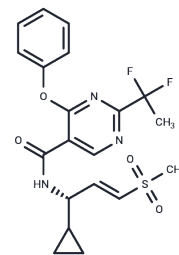
Formula: C₂₀H₂₁F₂N₃O₄S

Molecular Weight: 437.46

Storage: Store at low temperature, Keep away from direct sunlight

Store at -20°C

Actual storage temperature shall be subject to the COA.



Biological Description

Description	VVD-214 (RO7589831) is a WRN deconjugating enzyme lethal variant inhibitor with potential antitumor activity, inhibits ATP hydrolysis and deconjugating enzyme activity, and can be used in the study of proliferative diseases.
Targets(IC50)	DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 80 mg/mL (182.87 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: 3.3 mg/mL (7.54 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	2.2859 mL	11.4296 mL	22.8592 mL
5 mM	0.4572 mL	2.2859 mL	4.5718 mL
10 mM	0.2286 mL	1.143 mL	2.2859 mL
50 mM	0.0457 mL	0.2286 mL	0.4572 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

Kikuchi S, et al. Abstract ND11: Chemoproteomic-enabled discovery of VVD-214, a synthetic lethal allosteric inhibitor of WRN helicase[J]. Cancer Research, 2024, 84(7_Supplement): ND11-ND11.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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