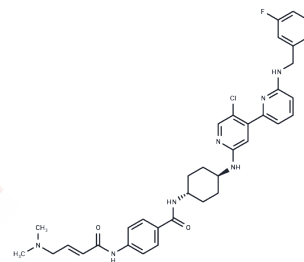


XPW1

## Chemical Properties

CAS No. :	2700286-66-2
Formula:	C <sub>36</sub> H <sub>39</sub> ClFN <sub>7</sub> O <sub>2</sub>
Molecular Weight:	656.19
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	XPW1 is a new potent and selective CDK9 inhibitor with antitumour activity that transcriptionally inhibits the DNA repair process in ccRCC cells. XPW1 can be used to study clear cell renal cell carcinoma.
Targets(IC50)	CDK

## Solubility Information

Solubility	DMSO: 20 mg/mL (30.48 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5239 mL	7.6197 mL	15.2395 mL
5 mM	0.3048 mL	1.5239 mL	3.0479 mL
10 mM	0.1524 mL	0.762 mL	1.5239 mL
50 mM	0.0305 mL	0.1524 mL	0.3048 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

Kuang Z, et al. The novel CDK9 inhibitor, XPW1, alone and in combination with BRD4 inhibitor JQ1, for the treatment of clear cell renal cell carcinoma. Br J Cancer. 2023 Oct 26.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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