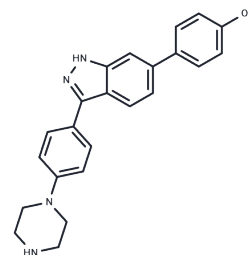


## FGFR2-IN-2

## Chemical Properties

CAS No. :	2677709-81-6
Formula:	C <sub>23</sub> H <sub>22</sub> N <sub>4</sub> O
Molecular Weight:	370.45
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	FGFR2-IN-2 is a specific FGFR2 inhibitor that inhibits FGFR1, FGFR2, and FGFR3, and can be used in the study of cancer and cardiovascular disease.
Targets(IC50)	FGFR

## Solubility Information

Solubility	DMSO: 50 mg/mL (134.97 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 2.5 mg/mL (6.75 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	2.6994 mL	13.4971 mL	26.9942 mL
5 mM	0.5399 mL	2.6994 mL	5.3988 mL
10 mM	0.2699 mL	1.3497 mL	2.6994 mL
50 mM	0.054 mL	0.2699 mL	0.5399 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

Lewis D Turner, et al. From Fragment to Lead: De Novo Design and Development toward a Selective FGFR2 Inhibitor. J Med Chem. 2022 Jan 27;65(2):1481-1504.

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

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