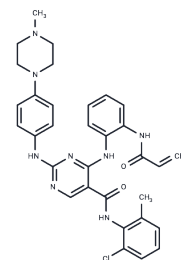


DGY-06-116

## Chemical Properties

CAS No. : 2556836-50-9  
 Formula: C<sub>32</sub>H<sub>33</sub>ClN<sub>8</sub>O<sub>2</sub>  
 Molecular Weight: 597.11  
 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	DGY-06-116 is an selective and irreversible covalent inhibitor of Src and FGFR1 with IC <sub>50</sub> value of 3nM and 8340 nM, respectively.
Targets(IC <sub>50</sub> )	FGFR,Src

## Solubility Information

Solubility	DMSO: 100 mg/mL (167.47 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: 4 mg/mL (6.7 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	1.6747 mL	8.3737 mL	16.7473 mL
5 mM	0.3349 mL	1.6747 mL	3.3495 mL
10 mM	0.1675 mL	0.8374 mL	1.6747 mL
50 mM	0.0335 mL	0.1675 mL	0.3349 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

Gurbani D , Du G , Henning N J , et al. Structure and Characterization of a Covalent Inhibitor of Src Kinase[J].  
Frontiers in Molecular Bioences, 2020, 7:81.

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