

## NVP-BHG712 isomer

## Chemical Properties

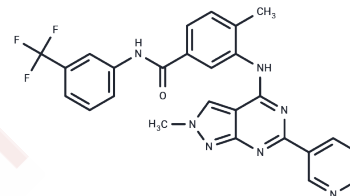
CAS No. : 2245892-85-5

Formula: C<sub>26</sub>H<sub>20</sub>F<sub>3</sub>N<sub>7</sub>O

Molecular Weight: 503.48

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	NVP-BHG712 isomer shows conserved non-bonded binding to EPHA2 and EPHB4.
Targets(IC50)	Ephrin Receptor
In vitro	NVP-BHG712 isomer exhibits IC50 of 163 nM and 1660 nM for EPHA2 and EPHA4, respectively[1].

## Solubility Information

Solubility	DMSO: 50 mg/mL (99.31 mM),Sonication is recommended. H2O: insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.97 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.9862 mL	9.9309 mL	19.8618 mL
5 mM	0.3972 mL	1.9862 mL	3.9724 mL
10 mM	0.1986 mL	0.9931 mL	1.9862 mL
50 mM	0.0397 mL	0.1986 mL	0.3972 mL

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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

Tröster A, et al. NVP-BHG712: Effects of Regioisomers on the Affinity and Selectivity toward the EPHrin Family. ChemMedChem. 2018 Aug 20;13(16):1629-1633.

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