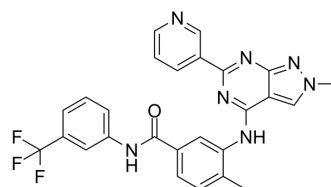


NVP-BHG712 isomer

Cat. No.:	HY-13258		
CAS No.:	2245892-85-5		
Molecular Formula:	C ₂₆ H ₂₀ F ₃ N ₇ O		
Molecular Weight:	503.48		
Target:	Ephrin Receptor		
Pathway:	Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (99.31 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	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	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.97 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.97 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	NVP-BHG712 isomer, a regioisomer of NVP-BHG712, shows conserved non-bonded binding to EPHA2 and EPHA4 ^[1] .
IC ₅₀ & Target	IC ₅₀ : 163 nM (EPHA2) ^[1] .
In Vitro	NVP-BHG712 isomer exhibits IC ₅₀ values of 163 nM and 1660 nM for EPHA2 and EPHA4, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

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- Harvard Medical School LINCS LIBRARY

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REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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