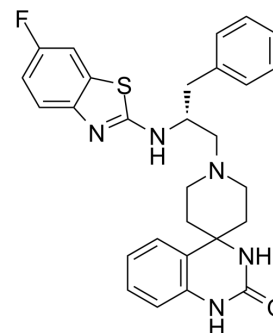


(R)-NVS-ZP7-4

Cat. No.:	HY-114395A
CAS No.:	2517682-14-1
Molecular Formula:	C ₂₈ H ₂₈ FN ₃ OS
Molecular Weight:	501.62
Target:	Others
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (199.35 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.9935 mL	9.9677 mL	19.9354 mL
				5 mM	0.3987 mL	1.9935 mL	3.9871 mL
10 mM				0.1994 mL	0.9968 mL	1.9935 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 (4.98 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (4.98 mM); Clear solution; Need ultrasonic						

BIOLOGICAL ACTIVITY

Description	(R)-NVS-ZP7-4 is the R-isomer of NVS-ZP7-4. NVS-ZP7-4 is a Zinc transporter SLC39A7 (ZIP7) inhibitor that is also the first reported chemical tool to probe the impact of modulating ER zinc levels and investigate ZIP7 as a novel agentable node in the Notch pathway.
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CUSTOMER VALIDATION

- Cell Death Dis. 2021 Feb 19;12(2):198.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Nolin E, et al. Discovery of a ZIP7 inhibitor from a Notch pathway screen. Nat Chem Biol. 2019 Feb;15(2):179-188.

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

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