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Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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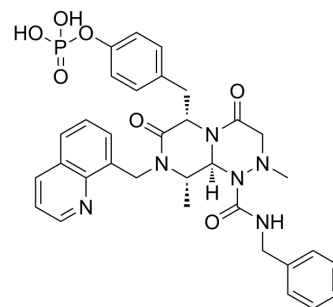
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Foscenvivint

Cat. No.: HY-112045
CAS No.: 1422253-38-0
Molecular Formula: C₃₃H₃₅N₆O₇P
Molecular Weight: 658.64
Target: Wnt
Pathway: Stem Cell/Wnt
Storage: 4°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 (151.83 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		1.5183 mL	7.5914 mL	15.1828 mL
		5 mM		0.3037 mL	1.5183 mL	3.0366 mL
		10 mM		0.1518 mL	0.7591 mL	1.5183 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 (3.80 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.80 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.80 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	PRI-724 is a selective inhibitor of the CBP/β-catenin interaction.
IC ₅₀ & Target	CBP/β-catenin ^[1]
In Vivo	PRI-724 is phosphorylated-C-82 and is rapidly hydrolyzed to its active form C-82 in vivo. PRI-724 treatment reduces the fibrosis induced by CCl₄ or BDL. C-82, an active form of PRI-724, inhibits the activation of isolated primary mouse quiescent hepatic stellate cells (HSCs) and promotes cell death in culture-activated HSCs^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

PROTOCOL

Animal Administration ^[1]

Mice^[1]

Male wild-type (C57BL/6 and Balb/c) mice aged 8 to 11 weeks or 6 to 9 months are used. CCl₄ administration or BDL induced liver fibrosis model is used for this study. The animals are intraperitoneally injected with or without 0.4 mg/mouse^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Cell Syst. 2018 Apr 25;6(4):424-443.e7.

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REFERENCES

[1]. Osawa Y, et al. Inhibition of Cyclic Adenosine Monophosphate (cAMP)-response Element-binding Protein (CREB)-binding Protein (CBP)/ β -Catenin Reduces Liver Fibrosis in Mice. EBioMedicine. 2015 Oct 8;2(11):1751-8.

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

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