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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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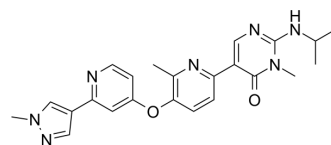
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Vimseltinib

Cat. No.:	HY-136256
CAS No.:	1628606-05-2
Molecular Formula:	C ₂₃ H ₂₅ N ₇ O ₂
Molecular Weight:	431.49
Target:	c-Fms; c-Kit
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (115.88 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.3176 mL	11.5878 mL	23.1755 mL
		5 mM		0.4635 mL	2.3176 mL	4.6351 mL
		10 mM		0.2318 mL	1.1588 mL	2.3176 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: ≥ 3.5 mg/mL (8.11 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 3.5 mg/mL (8.11 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 3.5 mg/mL (8.11 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Vimseltinib (DCC-3014) is a c-FMS (CSF-IR) and c-Kit dual inhibitor extracted from patent WO2014145025A2, Compound Example 10, has IC ₅₀ s of <0.01 μM and 0.1-1 μM, respectively ^[1] .
IC ₅₀ & Target	IC ₅₀ : <0.01 μM (c-FMS/CSF-IR), 0.1-1 μM (c-Kit) ^[1]
In Vitro	Vimseltinib is a c-FMS (CSF-IR) and c-Kit dual inhibitor with anti-cancer and anti-proliferative activities ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Yumi Ahn, et al. 2-aminopyrimidin-6-ones and analogs exhibiting anti-cancer and anti-proliferative activities. WO2014145025A2.

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

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