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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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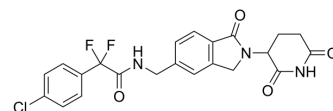
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Eragidomide

Cat. No.:	HY-130800
CAS No.:	1860875-51-9
Molecular Formula:	C ₂₂ H ₁₈ ClF ₂ N ₃ O ₄
Molecular Weight:	461.85
Target:	Ligands for E3 Ligase; Apoptosis; Molecular Glues
Pathway:	PROTAC; Apoptosis
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 : 100 mg/mL (216.52 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.1652 mL	10.8260 mL	21.6521 mL
		5 mM		0.4330 mL	2.1652 mL	4.3304 mL
		10 mM		0.2165 mL	1.0826 mL	2.1652 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: ≥ 2.08 mg/mL (4.50 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.50 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil					
	Solubility: ≥ 2.08 mg/mL (4.50 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Eragidomide (CC-90009) is a first-in-class GSPT1-selective cereblon (CRBN) E3 ligase modulator, acts as a molecular glue. Eragidomide coopts the CRL4 ^{CRBN} to selectively target GSPT1 for ubiquitination and proteasomal degradation ^{[1][2]} .
IC ₅₀ & Target	Cereblon
In Vitro	Depletion of GSPT1 by Eragidomide rapidly induces acute myeloid leukemia (AML) apoptosis, reducing leukemia engraftment and leukemia stem cells (LSCs) in large-scale primary patient xenografting of 35 independent AML samples.

Eragidomide activity is mediated by multiple layers of signaling networks and pathways within AML blasts and LSCs^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Nat Chem Biol. 2022 Nov 3.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Christine Surka, et al. CC-90009, a novel cereblon E3 ligase modulator, targets acute myeloid leukemia blasts and leukemia stem cells. Blood. 2021 Feb 4;137(5):661-677.
- [2]. Joshua D Hansen, et al. CC-90009: A Cereblon E3 Ligase Modulating Drug That Promotes Selective Degradation of GSPT1 for the Treatment of Acute Myeloid Leukemia. J Med Chem. 2021 Feb 25;64(4):1835-1843.
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Caution: Product has not been fully validated for medical applications. For research use only.

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