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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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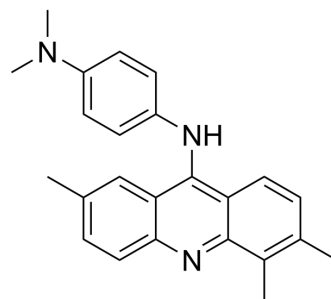
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LSD1-IN-27

Cat. No.:	HY-155115
CAS No.:	2904571-94-2
Molecular Formula:	C ₂₄ H ₂₅ N ₃
Molecular Weight:	355.48
Target:	Histone Demethylase; PD-1/PD-L1
Pathway:	Epigenetics; Immunology/Inflammation
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 (281.31 mM; Need ultrasonic)																													
	Preparing Stock Solutions	<table border="1"> <thead> <tr> <th>Solvent</th> <th>Mass</th> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>Concentration</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 mM</td> <td></td> <td>2.8131 mL</td> <td>14.0655 mL</td> <td>28.1310 mL</td> </tr> <tr> <td>5 mM</td> <td></td> <td>0.5626 mL</td> <td>2.8131 mL</td> <td>5.6262 mL</td> </tr> <tr> <td>10 mM</td> <td></td> <td>0.2813 mL</td> <td>1.4065 mL</td> <td>2.8131 mL</td> </tr> </tbody> </table>	Solvent	Mass	1 mg	5 mg	10 mg	Concentration					1 mM		2.8131 mL	14.0655 mL	28.1310 mL	5 mM		0.5626 mL	2.8131 mL	5.6262 mL	10 mM		0.2813 mL	1.4065 mL	2.8131 mL			
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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 (7.03 mM); Clear solution																													

BIOLOGICAL ACTIVITY

Description	LSD1-IN-27 (Compound 5ac) is a LSD1 inhibitor (IC ₅₀ : 13 nM). LSD1-IN-27 inhibits the stemness and migration of gastric cancer cells. LSD1-IN-27 also reduces the expression of PD-L1 in BGC-823 and MFC cells. LSD1-IN-27 can enhance T cell immune response in gastric cancer ^[1] .
IC ₅₀ & Target	13 nM (LSD1) ^[1]

REFERENCES

[1]. Dai XJ, et al. Novel acridine-based LSD1 inhibitors enhance immune response in gastric cancer. Eur J Med Chem. 2023 Nov 5;259:115684.

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

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