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Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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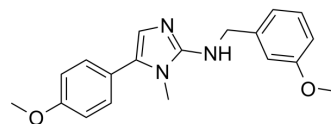
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MALAT1-IN-1

Cat. No.:	HY-115579
CAS No.:	827327-28-6
Molecular Formula:	C ₁₉ H ₂₁ N ₃ O ₂
Molecular Weight:	323.39
Target:	Others
Pathway:	Others
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 : 125 mg/mL (386.53 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	3.0922 mL	15.4612 mL	30.9224 mL
		5 mM	0.6184 mL	3.0922 mL	6.1845 mL
		10 mM	0.3092 mL	1.5461 mL	3.0922 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 (6.43 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (6.43 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	MALAT1-IN-1 (compounds 5) is a potent and specific Malat1 (Metastasis-associated lung adenocarcinoma transcript 1) inhibitor. MALAT1-IN-1 modulated Malat1 downstream genes in a dose-dependent manner without affecting expression of nuclear enriched abundant transcript 1 (Neat1) ^[1] .
IC ₅₀ & Target	Malat1 ^[1]
In Vitro	MALAT1-IN-1 (Compound 5) (1 μM, 7 days) reduces Malat1 levels and mammary tumor organoid branching in an organoid model of mammary cancer derived from MMTV-PyMT luminal B tumors in mice ^[1] . MALAT1-IN-1 (0.5 and 1 μM) inhibits downstream targets of Malat1 (krt16) and increases cs2 in MMTV-PyMT tumor organoids ^[1] .

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

CUSTOMER VALIDATION

- Cell Signal. 2022 Jan 24;92:110265.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Abulwerdi FA, et al. Selective Small-Molecule Targeting of a Triple Helix Encoded by the Long Noncoding RNA, MALAT1. ACS Chem Biol. 2019 Feb 15;14(2):223-235.

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

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