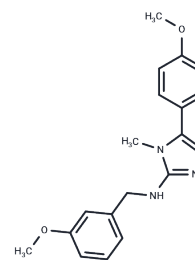


## MALAT1-IN-1

## Chemical Properties

CAS No. :	827327-28-6
Formula:	C19H21N3O2
Molecular Weight:	323.39
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	MALAT1-IN-1 modulated Malat1 downstream genes in a dose-dependent manner without affecting the expression of nuclear enriched abundant transcript 1 (Neat1). MALAT1-IN-1 is an effective and specific Malat1 inhibitor.
Targets(IC50)	Others,DNA/RNA Synthesis

## Solubility Information

Solubility	DMSO: 125 mg/mL (386.53 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (12.37 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0618 mL	0.3092 mL	0.6184 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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

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