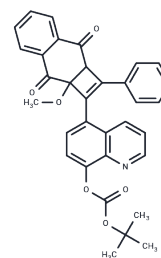


## myomiR-IN-1

## Chemical Properties

CAS No. :	1392224-59-7
Formula:	C33H27NO6
Molecular Weight:	533.57
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	myomiR-IN-1 is a myomiRs inhibitor that acts by inhibiting the translation of myoD in C2C12 cells without changing the expression level of myoD mRNA and downregulating the expression of differentiation markers.
Targets(IC50)	Others,Endogenous Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8742 mL	9.3708 mL	18.7417 mL
5 mM	0.3748 mL	1.8742 mL	3.7483 mL
10 mM	0.1874 mL	0.9371 mL	1.8742 mL
50 mM	0.0375 mL	0.1874 mL	0.3748 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

Graham ZA, De Gasperi R, Bauman WA, Cardozo CP. Recombinant myostatin reduces highly expressed microRNAs in differentiating C2C12 cells. *Biochem Biophys Rep.* 2017 Mar;9:273-280. PubMed PMID: 28691106; PubMed Central PMCID: PMC5500170.

Tan SB, Li J, Chen X, Zhang W, Zhang D, Zhang C, Li D, Zhang Y. Small molecule inhibitor of myogenic microRNAs leads to a discovery of miR-221/222-myoD-myomiRs regulatory pathway. *Chem Biol.* 2014 Oct 23;21(10):1265-1270. doi: 10.1016/j.chembiol.2014.06.011. Epub 2014 Sep 18. PubMed PMID: 25242288.

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