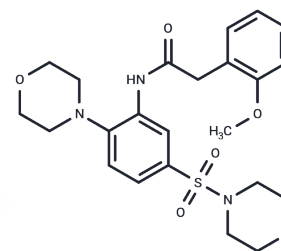


$\alpha 7 \beta 1$ integrin modulator-1

Chemical Properties

CAS No. :	849121-82-0
Formula:	C ₂₃ H ₂₉ N ₃ O ₆ S
Molecular Weight:	475.56
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	$\alpha 7 \beta 1$ integrin modulator-1 is an $\alpha 7 \beta 1$ integrin activator. It upregulates $\alpha 7$ integrin expression and enhances laminin binding, utilized in Duchenne Muscular Dystrophy (DMD) research.
Targets(IC50)	Integrin

Solubility Information

Solubility	DMSO: 80 mg/mL (168.22 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1028 mL	10.5139 mL	21.0278 mL
5 mM	0.4206 mL	2.1028 mL	4.2056 mL
10 mM	0.2103 mL	1.0514 mL	2.1028 mL
50 mM	0.0421 mL	0.2103 mL	0.4206 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

Doe J A. Enhanced $\alpha 7 \beta 1$ integrin prevents muscle disease in a mouse model of congenital muscular dystrophy[M]. University of Nevada, Reno, 2011.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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