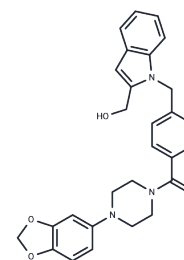


AVJ16

Chemical Properties

CAS No. : 2775241-92-2
 Formula: C₂₈H₂₇N₃O₄
 Molecular Weight: 469.53
 Storage: Store at low temperature
 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	AVJ16 as a member of the insulin growth factor 2 mRNA-binding protein family, binds to the mRNA of certain genes to regulate protein translation.
Targets(IC50)	Apoptosis,IGF-2R,IGF-1R

Solubility Information

Solubility	DMSO: 245 mg/mL (521.8 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: 5 mg/mL (10.65 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	2.1298 mL	10.6489 mL	21.2979 mL
5 mM	0.426 mL	2.1298 mL	4.2596 mL
10 mM	0.213 mL	1.0649 mL	2.1298 mL
50 mM	0.0426 mL	0.213 mL	0.426 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

Brian T David, et al. Treatment with hypoxia-mimetics protects cultured rat Schwann cells against oxidative stress-induced cell death. *Glia*. 2021 Sep;69(9):2215-2234.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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