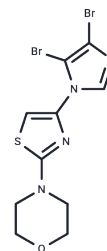


Ar-V7-IN-1

Chemical Properties

CAS No. :	2230880-25-6
Formula:	C10H10Br2N4O5
Molecular Weight:	394.09
Storage:	Store at low temperature 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	Ar-V7-IN-1 (compound 47) is a potent inhibitor of Ar-V7, a genetic mRNA splice variant of the androgen receptor (AR) associated with resistance to AR-targeted therapy in patients with desmoplasia-resistant prostate cancer (mCRPC).
Targets(IC50)	Androgen Receptor

Solubility Information

Solubility	DMSO: 80 mg/mL (203 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: 3.3 mg/mL (8.37 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	2.5375 mL	12.6875 mL	25.3749 mL
5 mM	0.5075 mL	2.5375 mL	5.075 mL
10 mM	0.2537 mL	1.2687 mL	2.5375 mL
50 mM	0.0507 mL	0.2537 mL	0.5075 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

Li, H., Ban, F., Dalal, K., Leblanc, E., Frewin, K., Ma, D., Adomat, H., Rennie, P. S., & Cherkasov, A. (2014). Discovery of Small-Molecule Inhibitors Selectively Targeting the DNA-Binding Domain of the Human Androgen Receptor. *Journal of Medicinal Chemistry*, 57(15), 6458-6467.

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