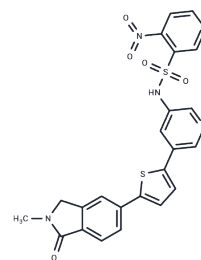


Perforin-IN-2

Chemical Properties

CAS No. :	1567836-70-7
Formula:	C ₂₄ H ₁₈ N ₄ O ₅ S ₂
Molecular Weight:	506.55
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	Perforin-IN-2, a benzosulfonamide perforin inhibitor, mitigates transplant rejection in allogeneic bone marrow or stem cell transplantation. It binds to plasma proteins with a binding rate of 99.8%. In vivo, a concentration higher than 900 µM is required for optimal perforin inhibition. Perforin-IN-2 effectively inhibits the lytic activity of recombinant perforin on Jurkat T leukemia cells, with an IC ₅₀ of 6.65 µM, and also prevents the death of K562 leukemia target cells [1].
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9741 mL	9.8707 mL	19.7414 mL
5 mM	0.3948 mL	1.9741 mL	3.9483 mL
10 mM	0.1974 mL	0.9871 mL	1.9741 mL
50 mM	0.0395 mL	0.1974 mL	0.3948 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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