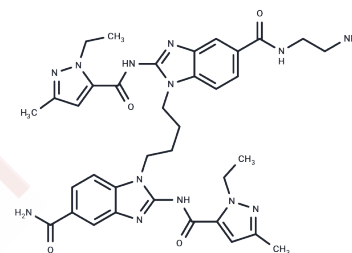


diABZI-C2-NH2

Chemical Properties

CAS No. :	2137975-93-8
Formula:	C36H43N13O4
Molecular Weight:	721.81
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	diABZI-C2-NH2 is an agonist of the interferon gene STING that modulates STING-dependent type I interferon production and can be used to study STING-mediated diseases.
Targets(IC50)	STING
In vitro	diABZIs can enhance binding to STING and cellular function. Intravenous administration of diABZI STING agonists to immunocompetent syngeneic colon tumor-bearing mice induces strong antitumor activity, leading to complete and durable tumor regression. The conjugated diABZI-C2-NH2 can be covalently immobilized onto agarose beads for affinity capture of potential target proteins from THP1 cell lysates[1].

Solubility Information

Solubility	DMSO: 80 mg/mL (110.83 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 (4.57 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	1.3854 mL	6.927 mL	13.8541 mL
5 mM	0.2771 mL	1.3854 mL	2.7708 mL
10 mM	0.1385 mL	0.6927 mL	1.3854 mL
50 mM	0.0277 mL	0.1385 mL	0.2771 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

Ramanjulu JM, et al. Design of amidobenzimidazole STING receptor agonists with systemic activity [published correction appears in Nature. 2019 Jun;570(7761):E53]. Nature. 2018;564(7736):439-443.

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