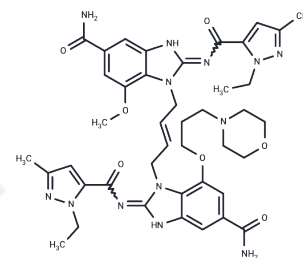


## diABZI STING agonist-1

## Chemical Properties

CAS No. :	2138299-33-7
Formula:	C42H51N13O7
Molecular Weight:	849.94
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	diABZI STING agonist-1 is a selective and potent interferon gene-stimulating receptor (STING) agonist with potential antitumor and anti-inflammatory activity for the study of cancer.
Targets(IC50)	STING
In vivo	In Wild and Sting -/- C57Blk6 mice, diABZI STING agonist-1 ( 2.5 mg/kg ; subcutaneous injection ; 2.5 mg/kg ) activated secretion of IFN $\beta$ , IL-6, TNF, and CXCL1 in wild-type but not Sting -/- mice[1].

## Solubility Information

Solubility	H2O: < 1 mg/mL (Insoluble) DMSO: 80 mg/mL (94.12 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 (3.88 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.1766 mL	5.8828 mL	11.7655 mL
5 mM	0.2353 mL	1.1766 mL	2.3531 mL
10 mM	0.1177 mL	0.5883 mL	1.1766 mL
50 mM	0.0235 mL	0.1177 mL	0.2353 mL

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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. Nature. 2018 Nov 7.

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