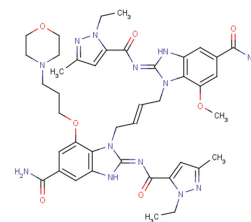


diABZI STING agonist-1 (Tautomerism)

Chemical Properties

CAS No.:	2138498-18-5
Formula:	C42H51N13O7
Molecular Weight:	849.94
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	diABZI STING agonist-1 Tautomerism is a selective stimulator of interferon gene (STING) receptor agonists, with EC50 of 130 and 186 nM for humans and mice, respectively.
Targets(IC ₅₀)	Others: None
In vitro	diABZI STING agonist 1 (tautomerism) is a selective stimulator of interferon gene (STING) receptor agonists, with EC50 of 130 and 186 nM for humans and mice, respectively. DiABZI STING agonist 1 at a concentration of 1 μM showed high selectivity for more than 350 kinases tested.
In vivo	diABZI STING agonist 1 (tautomerism) (subcutaneous injection; 2.5 mg/kg) induces STING-dependent activation of type I interferon and proinflammatory cytokines in vivo. diABZI STING agonist 1 (tautomerism) (intravenous; 3 mg/kg) exhibited systemic exposure with a half-life of 1.4 hours and reached a systemic concentration greater than half the maximum effective concentration of STING in mice (EC50) 200 ng/kg ml). diABZI STING agonist 1 (tautomerism) (intravenous; 1.5 mg / kg; 43 days) can significantly inhibit tumor growth and significantly improve survival rate (P <0.001). Eight out of 10 mice are tumor-free.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.177 mL	5.883 mL	11.766 mL
5 mM	0.235 mL	1.177 mL	2.353 mL
10 mM	0.118 mL	0.588 mL	1.177 mL
50 mM	0.024 mL	0.118 mL	0.235 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Ramanjulu JM, et al. Design of amidobenzimidazole STING receptor agonists with systemic activity. Nature. 2018 Nov 7.

Inhibitors · Natural Compounds · Compound Libraries

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