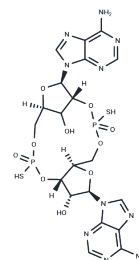


ADU-S100

Chemical Properties

CAS No. :	1638241-89-0
Formula:	C ₂₀ H ₂₄ N ₁₀ O ₁₀ P ₂ S ₂
Molecular Weight:	690.54
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	ADU-S100 is an activator of stimulator of interferon genes (STING).
Targets(IC50)	Others
In vitro	ADU-S100 induces the highest expression of IFN- β and the pro-inflammatory cytokines TNF- α , IL-6, and MCP-1 on a molar equivalent basis, as compared to endogenous ML cGAMP and the TLR3 agonist poly I:C. ADU-S100 is also found to induce aggregation of STING and induce phosphorylation of TBK1 and IRF3 in mouse bone marrow macrophage (BMM). ADU-S100 induces significantly higher levels of IFN- α when compared to ML cGAMP[1].
In vivo	A dose response of the ADU-S100 compound is performed in B16 tumor-bearing mice, which identifies an optimal antitumor dose level that also elicits maximum tumor antigen-specific CD8+ T cell responses, and improves long-term survival to 50%[1].

Solubility Information

Solubility	H ₂ O: 50 mg/mL (72.41 mM), Sonication is recommended. DMSO: 2 mg/mL (2.90 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4481 mL	7.2407 mL	14.4814 mL
5 mM	0.2896 mL	1.4481 mL	2.8963 mL
10 mM	0.1448 mL	0.7241 mL	1.4481 mL
50 mM	0.029 mL	0.1448 mL	0.2896 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.

Reference

Corrales L, et al. Direct Activation of STING in the Tumor Microenvironment Leads to Potent and Systemic Tumor Regression and Immunity. Cell Rep. 2015 May 19;11(7):1018-30.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481