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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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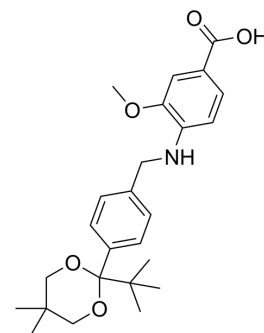
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NVS-STG2

Cat. No.:	HY-157214		
Molecular Formula:	C ₂₅ H ₃₃ NO ₅		
Molecular Weight:	427.53		
Target:	STING		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (233.90 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.3390 mL	11.6951 mL	23.3902 mL
		5 mM		0.4678 mL	2.3390 mL	4.6780 mL
		10 mM		0.2339 mL	1.1695 mL	2.3390 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (5.85 mM); Clear solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (5.85 mM); Clear solution; Need ultrasonic					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (5.85 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	NVS-STG2 is a molecular glue that targets STING and activates STING-mediated immune signaling. NVS-STG2 induces higher-order oligomerization of human STING by binding to pockets between adjacent STING dimer transmembrane domains, effectively acting as a molecular glue. NVS-STGI enhances the activity of cGAMP by inducing the formation of more abundant and larger oligomers. NVS-STG2 produces antitumor activity in animal models ^{[1][2]} .
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REFERENCES

[1]. Li J et al. Activation of human STING by a molecular glue-like compound. Nat Chem Biol. 2023 Oct 12.

[2]. Sulpizio A, et al. A new road to STING activation. Nat Chem Biol. 2023 Oct 13.

Caution: Product has not been fully validated for medical applications. For research use only.

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