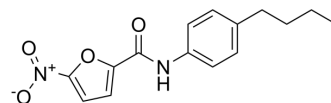


STING-IN-2

Cat. No.:	HY-138682		
CAS No.:	346691-38-1		
Molecular Formula:	C ₁₅ H ₁₆ N ₂ O ₄		
Molecular Weight:	288.3		
Target:	STING		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (433.58 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.4686 mL	17.3430 mL	34.6861 mL
	5 mM	0.6937 mL	3.4686 mL	6.9372 mL
	10 mM	0.3469 mL	1.7343 mL	3.4686 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

STING-IN-2 (C-170) is a potent and covalent STING inhibitor. STING-IN-2 efficiently inhibits both mouse STING (mmSTING) and human STING (hsSTING). STING-IN-2 can be used for autoinflammatory disease research^[1].

In Vitro

THP-1 cells are pretreated with STING-IN-2 (C-170; 0.5 μM) and stimulated with cGAMP. STING-IN-2 (C-170) treatment decreases the IFNβ1 and TNF mRNA levels, and also reduces the p-TBK1 levels^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Cell Metab. 2021 Jul 28;S1550-4131(21)00325-9.
- Commun Chem. 2023 Jul 18;6(1):153.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Simone M Haag, et al. Targeting STING with covalent small-molecule inhibitors. Nature. 2018 Jul;559(7713):269-273.

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

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