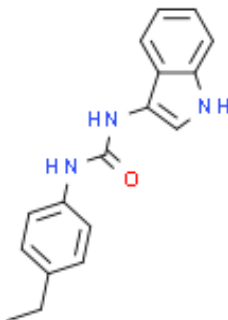


Product Data Sheet

Cas No.:	941987-60-6	Cat. No.:	PL11539
Product Name:	H-151		
Product synonym:	1-(4-乙基苯基)-3-(1H-吡啶-3-基)脲		
Chemical name:	H-151		
MF:	C17H17N3O	FW:	279.336383581162
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	O=C(NC1C2C(=CC=CC=2)NC=1)NC1C=CC(CC)=CC=1		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

H-151 是一种有效，选择性和共价的 STING 拮抗剂，在体外和体内均具有显著的抑制活性。H-151 减少 TBK1 磷酸化并抑制 STING 棕榈酰化。H-151 可用于自身炎症性疾病的研究。

生物活性	H-151 is a potent, selective and covalent antagonist of STING that has noteworthy inhibitory activity both in cells and in vivo. H-151 reduces TBK1 phosphorylation and suppresses STING palmitoylation. H-151 can be used for the research of autoinflammatory disease.
IC ₅₀ & Target[1][2]	STING
体外研究(In Vitro)	<p>H-151 (0.02-2 μM) reduces IFNβ luciferase reporter measurements of HEK293T cells.</p> <p>H-151 (0.5 μM; 2 h) inhibits the phosphorylation of TBK1 in THP-1 cells.</p> <p>H-151 (1 μM; 3 h) suppresses hsSTING palmitoylation. has not independently confirmed the accuracy of these methods. They are for reference only.</p>

体内研究(In Vivo)	<p>H-151 (750 nmol per mouse; a single i.p.) markedly reduces systemic cytokine responses in CMA-treated mice.</p> <p>H-151 (750 nmol per mouse; i.p. daily for 7 d) exhibits notable efficacy in Trex1 mice that expressed a bioluminescent IFNβ reporter.</p> <p>H-151 (750 nmol per mouse; i.p.) reaches effective systemic levels, displays a short half-life in the serum and forms an adduct to mmSTING in wild-type mice. has not independently confirmed the accuracy of these methods. They are for reference only.</p>
包装储存	Powder -20°C 3 years; In solvent -80°C 6 months
溶解度数据	In Vitro: DMSO : 31.25 mg/mL (111.87 mM; ultrasonic and warming and heat to 60°C)配制储备液