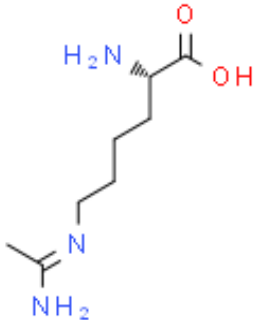


Product Data Sheet

Cas No.:	53774-63-3	Cat. No.:	PL07838
Product Name:	L-NIL		
Product synonym:	N-(5-氨基-5-羧基戊)-乙脒;N-(5-氨基-5-羧基戊基)-乙脒;N-(5-AMINO-5-CARBOXYPENTYL)-ACETAMIDINE		
Chemical name:	L-NIL		
MF:	C8H17N3O2	FW:	187.23948
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	N[C@@H](CCCCNC(C)=N)C(=O)O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

L-NIL 是诱导型一氧化氮合成酶 (iNOS) 的抑制剂，其对 miNOS 的 IC50 值为3.3 μM。

生物活性	L-NIL is an inducible NO synthase inhibitor, with an IC 50 of 3.3 μM for miNOS.
IC50 & Target[1][2]	IC50: 3.3 μM (mouse inducible NO synthase), 92 μM (rat brain constitutive NO synthase)
体外研究(In Vitro)	L-NIL produces a concentration-dependent inhibition of both the mouse inducible NOS (miNOS) and the rat brain constitutive NOS (rcNOS) and is considerably more potent for miNOS. The IC50 values for L-NIL with miNOS and rcNOS are 3.3 and 92 pM, respectively, indicating that L-NIL is 28-fold more selective for miNOS. In addition, L-NIL has approximately 6-fold greater potency for miNOS than either L-NMA or L-NNA. has not independently confirmed the accuracy of these methods. They are for reference only.
体内研究(In Vivo)	L-NIL (10 and 30?mg/kg, IP) prevents the inflammation, oxidative stress and autophagy induced by renal IR in mice. has not independently confirmed the accuracy of these methods. They are for reference only. Animal Model: Adult male Balb/c (2
包装储存	-20°C, sealed storage, away from moistur In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

溶解度数据	In Vitro: H ₂ O : 50 mg/mL (267.04 mM; Need ultrasonic)DMSO : < 1 mg/mL (insoluble or slightly soluble)配制储备液
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