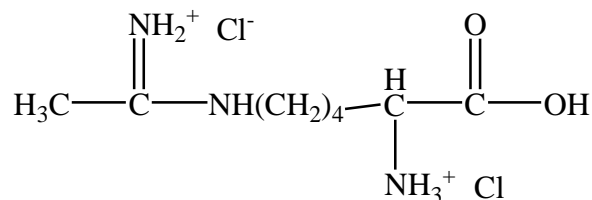


## PRODUCT AND SAFETY DATA SHEET

**PRODUCT NAME:** L-NIL ( $N^6$ -(1-iminoethyl)-lysine, dihydrochloride)**CATALOG #:** 00242**MOLECULAR INFORMATION:**  $C_8H_{19}Cl_2N_3O_2$   
Mwt: 260.2  
[159190-45-1]**PROPERTIES:**

**Color & Form** Off-white solid. Very hygroscopic.  
**Purity**  $\geq 95\%$  by TLC  
**Solubility** 100 mg/ml soluble in water or methanol

**STORAGE AND HANDLING:**

**Extremely hygroscopic.** Stored desiccated at 4°C upon receipt and protect from moisture at all times. Store in tightly sealed vials under inert gas. Warm to room temperature before opening the vial.

**APPLICATION:**

A potent and selective inhibitor of nitric oxide synthase that exhibits about 28-fold greater selectivity for inducible nitric oxide synthase ( $IC_{50} = 3.3 \mu M$ ) than for the rat brain constitutive enzyme ( $IC_{50} = 92 \mu M$ ). Exhibits about 10-fold greater inhibitory potency than  $N^G$ -monomethyl-L-arginine in inhibiting  $\gamma$ -interferon-induced  $NO_2^-$  production ( $IC_{50} = 460 \text{ nM}$ ).

Ref: Moore, et al. *J. Med. Chem.* **77**, 3886(1994); Stenger, et al. *Eur. J. Pharmacol.* **294**(2-3), 703(1995); Southan, et al. *Biochem. Pharmacol.* **51**(4), 383(1996)

**TOXICITY:** Unknown

<b>FIRST AID:</b>	Potentially harmful; avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.
-------------------	---

<b>Disclaimer:</b> Materials from Biotium are sold for research use only, and are not intended for food, drug, household, or cosmetic use. Biotium is not liable for any damage resulting from handling or contact with this product.
---