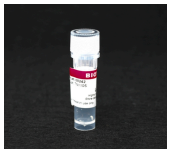
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L-NIL

A potent and moderately selective inhibitor of inducible nitric oxide synthase (iNOS) over other NOS isoforms.



Product attributes

CAS number	150403-89-7
Molecular weight	223.7
Storage Conditions	Store at 2 to 8 °C, Desiccate, Protect from air/store under inert gas

Product Description

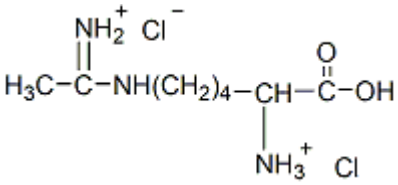
L-NIL (N^6-(1-Iminoethyl)-lysine, dihydrochloride) is a potent and moderately selective inhibitor of inducible nitric oxide synthase (iNOS).

- Moderately selective inhibition of iNOS over other NOS isoforms
- White solid soluble in water

L-NIL exhibits about 28-fold greater selectivity (IC_{50} = 3.3 uM) than for the rat brain constitutive enzyme (IC_{50} = 92 uM). It exhibits about 10-fold greater inhibitory potency than NG-monomethyl-L-arginine in inhibiting γ-interferon-induced NO_2^- production (IC_{50} = 460 nM).

If a variety of NOS inhibitors are needed, we offer a NOS Inhibitor Kit which contains four four NOS inhibitors: 7-NI (00240) (50 mg), L-NMMA (00241) (25 mg), L-NIL (00242) (5 mg) and L-NIO (00243) (5 mg). We also have a selection of dyes and probes for detecting nitric oxide or reactive oxygen in cells.

Molecular structure:



References

1. J Med Chem 37, 3886 (1994). DOI: 10.1021/jm00049a007
2. Eur J Pharmacol 294(2-3), 703 (1995). DOI: 10.1016/0014-2999(95)00618-4
3. Biochem Pharmacol 51(4), 383 (1996), DOI: 0.1016/0006-2952(95)02099-3
4. PLoS ONE 8(7): e64837. (2013) DOI: 10.1371/journal.pone.0064837

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