# nor-NOHA monoacetate

**Cat. No.:** HY-112885B

**CAS No.:** 2250019-93-1

**Molecular Formula:** $C_7H_{16}N_4O_5$

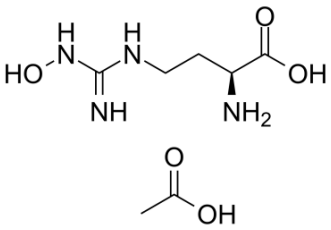
**Molecular Weight:** 236.23

**Target:** Arginase

**Pathway:** Immunology/Inflammation; Metabolic Enzyme/Protease

**Storage:**

| | | |
|---|---|---|
| Powder | -20°C | 3 years |
| | 4°C | 2 years |
| In solvent | -80°C | 6 months |
| | -20°C | 1 month |



## SOLVENT & SOLUBILITY

**In Vitro**

DMSO : 100 mg/mL (423.32 mM; Need ultrasonic)

$H_2O$ : 50 mg/mL (211.66 mM; Need ultrasonic)

**Preparing Stock Solutions**

| Solvent / Mass / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|
| 1 mM | 4.2332 mL | 21.1658 mL | 42.3316 mL |
| 5 mM | 0.8466 mL | 4.2332 mL | 8.4663 mL |
| 10 mM | 0.4233 mL | 2.1166 mL | 4.2332 mL |

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

**In Vivo**

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (10.58 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (10.58 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (10.58 mM); Clear solution

## BIOLOGICAL ACTIVITY

**Description**

nor-NOHA (Nω-Hydroxy-nor-L-arginine) monoacetate is a potent and selective arginase inhibitor. nor-NOHA monoacetate inhibits rat liver arginase with a $K_i$ of 0.5 μM[1].

## REFERENCES

[1]. Tenu JP, et al. Effects of the new arginase inhibitor N(omega)-hydroxy-nor-L-arginine on NO synthase activity in murine macrophages. Nitric Oxide. 1999;3(6):427-438.

[2]. Custot J, et al. A new α-amino acid N w -hydroxy-nor-L-arginine: A highly-affinity inhibitor of arginase well adapted to bind to its manganese cluster.Journal of the American Chemical Society 119, 4086-4087(1997).



Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA