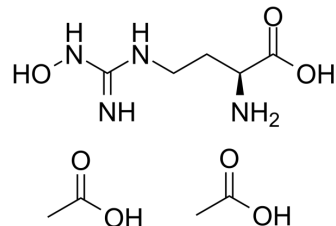


## nor-NOHA acetate

Cat. No.:	HY-112885A
CAS No.:	1140844-63-8
Molecular Formula:	C <sub>9</sub> H <sub>20</sub> N <sub>4</sub> O <sub>7</sub>
Molecular Weight:	296.28
Target:	Arginase; Apoptosis
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; Apoptosis
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 200 mg/mL (675.04 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3752 mL	16.8759 mL	33.7519 mL
	5 mM	0.6750 mL	3.3752 mL	6.7504 mL
	10 mM	0.3375 mL	1.6876 mL	3.3752 mL

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

### BIOLOGICAL ACTIVITY

#### Description

nor-NOHA acetate (N $\omega$ -Hydroxy-nor-L-arginine acetate) is a specific and reversible arginase inhibitor, induces apoptosis in ARG2-expressing cells under hypoxia but not normoxia. Anti-leukemic activity, effective in endothelial dysfunction, immunosuppression and metabolism<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

Arginase<sup>[1]</sup>

### CUSTOMER VALIDATION

- Front Cell Dev Biol. 2021 Dec 23;9:741911.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

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[1]. Ng KP, et al. The arginase inhibitor N $\omega$ -hydroxy-nor-arginine (nor-NOHA) induces apoptosis in leukemic cells specifically under hypoxic conditions but CRISPR/Cas9 excludes arginase 2 (ARG2) as the functional target. PLoS One. 2018 Oct 11;13(10):e0205254.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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