

Product Datasheet

NOS-IN-1

Catalog No. **BP-02166** · CAS **165383-72-2** · Form **free base** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-09-04**

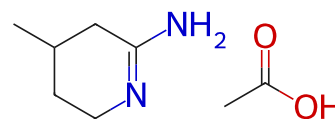
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Target NO Synthase	Research area Inflammation/Immunology
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Molecular formula **C₈H₁₆N₂O₂**

Molecular weight **172.2248**

STRUCTURE



DESCRIPTION

NOS-IN-1 is a potent and orally active NO synthase (NOS) isoforms inhibitor with IC₅₀s of 0.1 μM, 1.1 μM, and 0.2 μM for human iNOS (hiNOS), heNOS and hnNOS, respectively.

BIOLOGICAL ACTIVITY

In Vivo

Following oral administration, NOS-IN-1 (compound 3; 10 mg/kg) decreases serum nitrite/nitrate levels in an in vivo rat endotoxin assay.

SOLUBILITY

Soluble in DMSO : 6.5 mg/mL

REFERENCES

[1]. R K Webber, et al. Substituted 2-iminopiperidines as inhibitors of human nitric oxide synthase isoforms. J Med Chem. 1998 Jan 1;41(1):96-101.

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