

L-NMMA, pan-specific NOS inhibitor

Catalog	Unit
TBI2884-10MG	10 mg
TBI2884-50MG	50 mg

Product Details

Alternate Names: NG-monomethyl-L-arginine

Molecular Formula: $C_7H_{16}N_4O_3 \cdot CH_2COOH$

Formula Weight: 248.30

CAS Number: 53308-83-1

Purity: >98%

Formulation: powder

Solubility: Soluble in Water (up to 10 mg/ml).

Storage: -20°C

Stability: \geq 1 year.

Applications

pan-specific NOS inhibitor

Functions

Inhibitor of neuronal, endothelial cell and macrophase nitric oxide synthases (nNOS, eNOS and iNOS, respectively). L-NMMA acted as a mechanism-based irreversible inhibitor exhibiting time- and concentration-dependent inactivation of iNOS with a K_i -2.6 μ M. When assayed without a preincubation period it acted as a typical reversible inhibitor of iNOS, K_i =3.9 μ M. It also reversibly inhibited nNOS and eNOS with K_i s =0.65 and 0.7 μ M respectively.

Application Procedures

First dissolved in Water (up to 10 mg/ml), then diluted to aqueous buffer.

For research use only.