
Product Data Sheet

Product Name: Nw-Propyl-L-arginine hydrochloride

Cat. No.: GC50011

Chemical Properties

Cas. No. 2321366-46-3

SMILES N=C(NCCC[C@H](N)C(O)=O)NCCC.ClFormula C9H20N4O2.HCl

M.Wt 252.74

Solubility DMSO : 25 mg/mL (98.92 mM; Need ultrasonic and warming); H₂O : 25 mg/mL (98.92 mM; Need ultrasonic and warming) Store Storage at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Highly selective and potent inhibitor of nNOS (K_i = 57 nM). Displays 3158-fold and 149-fold selectivity over iNOS and eNOS respectively. Hypotensive in vivo.

Kakoki et al (2001) The influence of nitric oxide synthase 1 on blood flow and interstitial nitric oxide in the kidney. Am.J.Physiol.Regul.Integr.Comp.Physiol. 281 R91

PMID:11404282 |Zhang et al (1997) Potent and selective inhibition of neuronal nitric oxide synthase by Nw-propyl-L-arginine. J.Med.Chem. 40 3869 PMID:9397167

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

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