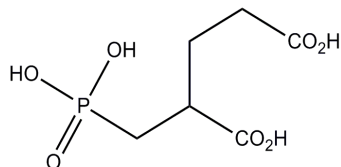


**Product: NAALADase Inhibitor,
PMPA**

ALTERNATE NAME: 2-(Phosphonomethyl)pentane-1,5-dioic acid
CATALOG #: 2478-5, 25
AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₈H₁₁O₇P

MOLECULAR WEIGHT: 226.12

CAS No. 173039-10-6

APPEARANCE: White solid

SOLUBILITY: H₂O (>20 mg/ml)

PURITY: >95% by NMR

STORAGE: Store at -20°C. Protect from air and moisture

DESCRIPTION: A highly potent and selective inhibitor of NAALADase (N-acetylated- α -linked-acidic dipeptidase or glutamate carboxypeptidase II or GCPII) with a K_i value of 275 pM. Displays robust neuroprotective activity in both in vitro and in vivo models of ischemia.

REFERENCES: Thomas, A.G., *et al.* (2003). *Eur. J. Pharmacol.* **471**, 177-184.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Glutamate Colorimetric Assay Kit (**K629-100**)

Glutamate Dehydrogenase Activity Colorimetric Assay Kit (**K729-100**)

JM6 (**Cat. No. 1913-5, 25**)

Kainic acid (**Cat.No. 2279-5, 25**)

RO 61-8048 (**Cat. No. 1912-5, 25**)

FOR RESEARCH USE ONLY! Not to be used in humans.