

**PNMT Blocking Peptide (Center)**

Synthetic peptide

Catalog # BP21394c

**Specification**

---

**PNMT Blocking Peptide (Center) - Product Information**Primary Accession [P11086](#)**PNMT Blocking Peptide (Center) - Additional Information**

Gene ID 5409

**Other Names**

Phenylethanolamine N-methyltransferase, PNMTase, Noradrenaline N-methyltransferase, PNMT, PENT

**Target/Specificity**

The synthetic peptide sequence is selected from aa 158-172 of HUMAN PNMT

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PNMT Blocking Peptide (Center) - Protein Information**

Name PNMT

Synonyms PENT

**Function**

Catalyzes the transmethylation of norepinephrine (noradrenaline) to form epinephrine (adrenaline), using S-adenosyl-L-methionine as the methyl donor (PubMed: [20496117](http://www.uniprot.org/citations/20496117)). Other substrates include phenylethanolamine and octopamine (PubMed: [16277617](http://www.uniprot.org/citations/16277617), PubMed: [16363801](http://www.uniprot.org/citations/16363801), PubMed: [8812853](http://www.uniprot.org/citations/8812853)). Also methylates normetanephrine (By similarity).

**PNMT Blocking Peptide (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**PNMT Blocking Peptide (Center) - Images**

**PNMT Blocking Peptide (Center) - Background**

Converts noradrenaline to adrenaline.

**PNMT Blocking Peptide (Center) - References**

Kaneda N., et al. J. Biol. Chem. 263:7672-7677(1988).  
Sasaoka T., et al. Neurochem. Int. 15:555-565(1989).  
Baetge E.E., et al. Proc. Natl. Acad. Sci. U.S.A. 85:3648-3652(1988).  
Martin J.L., et al. Structure 9:977-985(2001).  
Gee C.L., et al. Biochemistry 44:16875-16885(2005).