

Product Name	: PAβN dihydrochloride
Synonyms	: MC-207, 110 dihydrochloride, Phe-Arg-β-naphthylamide dihydrochloride
Cat No.	: M22016
CAS Number	: 100929-99-5
Molecular Formula	: C ₂₅ H ₃₂ Cl ₂ N ₆ O ₂
Formula Weight	: 519.47
Chemical Name	: —
Description	PAβN dihydrochloride is an inhibitor of efflux pump. PAβN reduces the MICs in nine ciprofloxacin-resistant isolates, and in four of these, PAβN increases the susceptibility by twofold. Moreover, PAβN restores ciprofloxacin susceptibility in five of the ciprofloxacin-resistant isolates. In addition, clear effects of NMP on the ciprofloxacin MICs are seen for 20 of these ciprofloxacin-resistant isolates.
Pathway	: GPCR/G Protein
Target	: Antibacterial
Receptor	: Bacterial; efflux pump
Solubility	: DMSO: 95mg/ml (182.88 Mm); H ₂ O: 14.29 mg/mL (27.51 mM; Need ultrasonic)
SMILES	: Cl.C1.N[C@@H](CC1=CC=CC=C1)C(=O)N[C@@H](CCCNC(N)=N)C(=O)NC1=CC2=CC=CC=C2C=C1
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Lomovskaya O, et al. Identification and characterization of inhibitors of multidrug resistance efflux pumps in *Pseudomonas aeruginosa*: novel agents for combination therapy. *Antimicrob Agents Chemother.* 2001 Jan;45(1):105-16.