

Product Name	: Procaine penicillin G
Synonyms	: Penicillin G Procaine; Hydracillin; Duphaphen
Cat No.	: M18770
CAS Number	: 54-35-3
Molecular Formula	: C ₂₉ H ₃₈ N ₄ O ₆ S
Formula Weight	: 570.7
Chemical Name	: 2-(diethylamino)ethyl 4-aminobenzoate (2S,5R,6R)-3,3-dimethyl-7-oxo-6-(2-phenylacetamido)-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylate
Description	: Procaine benzylpenicillin also known as penicillin G procaine, is an antibiotic useful for the treatment of a number of bacterial infections. Specifically it is used for syphilis, anthrax, mouth infections, pneumonia, diphtheria, cellulitis, and animal bites.
Pathway	: GPCR/G Protein
Target	: Dopamine Receptor
Receptor	: Antibiotic
Solubility	: —
SMILES	: <chem>CCN(CC)CCOC(=O)c1ccc(N)cc1.CC1(C)S[C@@H]2[C@H](NC(=O)Cc3ccccc3)C(=O)N2[C@H]1C(O)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Sahin U, et al. Penicillin resistance in Streptococcus pneumoniae in Isparta. Respiriology. 2001 Mar;6(1):23-6. Review. PubMed PMID: 11264759.