

## Product Datasheet

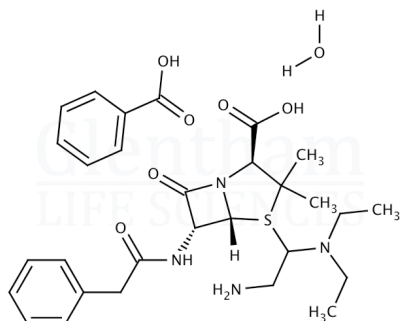
### GA6076 - Penicillin G procaine

#### Product Details

Product Name	Penicillin G procaine
Glentham Code	GA6076
CAS Number	6130-64-9
PubChem SID	310278564
Related Categories	Antibiotics, Antimicrobials, Beta-Lactam Antibiotics

#### Structure

Molecular Weight	: 570.70 (anhydrous)
Molecular Formula	: $C_{29}H_{38}N_4O_6S \cdot xH_2O$



#### Storage

Recommended storage temperature: +4°C.

#### Hazards and Transport

Not classified as dangerous for transport.

CLP Classification	Skin Irr. 2, STOT SE 3, STOT SE 3, Eye Irr. 2A
Signal Word	Warning
Hazard Codes	H315, H336, H335, H319
Precautionary Codes	P280, P261, P305+P351+P338

Pictograms



#### Glentham Product Specification

Physical Description	: White or almost white crystalline powder
Solubility (2% in methanol)	: Clear, colourless solution
Specific Optical Rotation ([ $\alpha$ ] <sub>20/D</sub> )	: +165 - +180 °
Water	: ≤ 5.0%
Assay	: 96.0 - 102.0 % (anhydrous basis)
Version	: v1.1

#### About Penicillin G procaine

The procaine salt of penicillin G, or benzylpenicillin, a narrow spectrum antibiotic used to treat a number of bacterial infections. The antibiotic acts by inhibiting the cell wall synthesis of bacteria by inhibiting peptidoglycan chain cross-linking. Procaine is a local anaesthetic, which counteracts the pain caused by large dose injections of low concentration penicillin G.

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