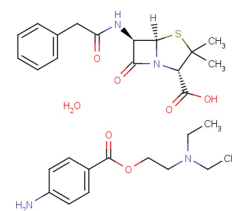


## Penicillin G Procaine

## Chemical Properties

CAS No.:	6130-64-9
Formula:	C <sub>29</sub> H <sub>40</sub> N <sub>4</sub> O <sub>7</sub> S
Molecular Weight:	588.72
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Penicillin G Procaine is a $\beta$ -lactam antibiotic and is a crystalline complex produced by chemically combining penicillin G with procaine.
Targets(IC <sub>50</sub> )	Others: None

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.699 mL	8.493 mL	16.986 mL
5 mM	0.34 mL	1.699 mL	3.397 mL
10 mM	0.17 mL	0.849 mL	1.699 mL
50 mM	0.034 mL	0.17 mL	0.34 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Uboh CE, et al. Pharmacokinetics of penicillin G procaine versus penicillin G potassium and procaine hydrochloride in horses. Am J Vet Res. 2000 Jul;61(7):811-5.
2. Burmańczuk A, et al. Withdrawal of Amoxicillin and Penicillin G Procaine from Milk after Intramammary Administration in Dairy Cows with Mastitis. J Vet Res. 2017 Apr 4;61(1):37-43.
3. Huang L, Li Q. Notoginsenoside R1 promotes differentiation of human alveolar osteoblasts in inflammatory microenvironment through inhibiting NF  $\kappa$ B pathway and activating Wnt/ $\beta$  catenin pathway[J]. Molecular Medicine Reports. 2020, 22(6): 4754-4762.
4. Li J, Meng P, Zhou R, et al. Famciclovir leads to failure of hematopoiesis, but may have the benefit of relieving myeloid expansion in MDS-like zebrafish[J]. Toxicology and Applied Pharmacology. 2020: 115334.

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