

Penicillin G, Sodium Salt

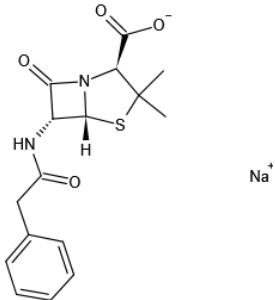
Product Information

Product Name	Cat#	Size
Penicillin G, Sodium Salt	60208ES25	25 g
	60208ES60	100 g

Product Description

Penicillin G sodium salt is a salt of Penicillin G, a hydrophobic, β -lactam antibiotic produced by *Penicillium* spp.. Penicillin G acts by inhibiting cell wall synthesis through binding to penicillin binding proteins (PBPs), inhibiting peptidoglycan chain cross-linking. As an antibiotic, Penicillin G is noted to possess effectiveness mainly against gram-positive organisms. Some gram-negative organisms, such as *Neisseria gonorrhoeae* and *Neisseria meningitidis*, are also reported to be susceptible to Penicillin G.

Product Properties

Synonyms	Penicillin G, Sodium Salt, Benzylpenicillin sodium salt
CAS#	69-57-8
Formula	$C_{16}H_{17}N_2NaO_4S$
Molecular Weight	356.37
Appearance	White powder
Grade	USP
Potency (dry basis)	> 1600 U/mg
Solubility	Soluble in water: ≥ 100 mg/mL
Structure	

Shipping and Storage

The product is shipped with ice pack and can be stored at 2-8°C for 2 years.

Cautions

1. The solution should not be autoclaved.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.