

Carbenicillin, Disodium Salt

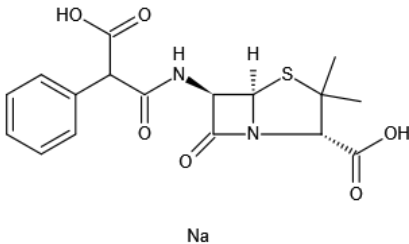
Product Information

Product Name	Cat#	Size
Carbenicillin, Disodium Salt	60202ES08	5 g
	60202ES25	25 g
	60202ES60	100 g

Product Description

Carbenicillin disodium salt is a penicillin-derived β -lactam antibiotic, which inhibits the synthesis of peptidoglycan, a key component of the bacterial cell wall, and is most effective against gram-negative bacteria but may also have some effect against gram-positive bacteria. Now it has been widely used to replace ampicillin and can reduce the growth of satellite colonies during long-term incubations. Additionally, it can kill Agrobacterium after bacteria co-cultured with plant tissue during planta Agrobacterium-mediated transformation. Recommended working concentration: 0.1-30 $\mu\text{g/mL}$.

Product Properties

Synonyms	Carbenicillin disodium salt; α -Carboxybenzylpenicillin disodium salt; α -phenyl (carboxymethylpenicillin)
CAS#	4800-94-6
Formula	$\text{C}_{17}\text{H}_{16}\text{N}_2\text{O}_6\text{SNa}_2$
Molecular Weight	422.4
Appearance	Powder
Grade	Ultra Pure
Potency (Anhydrous)	≥ 770 mcg/mg
Solubility	Soluble in water: ≥ 50 mg/mL
Structure	

Shipping and Storage

The product is shipped with ice pack and can be stored at 2-8°C for 3 years. Aqueous stock solutions can be stored at -20°C for six months.

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.