

Carbenicillin

Catalog No: tcsc2745



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

4697-36-3

Formula:

$C_{17}H_{18}N_2O_6S$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

378.4

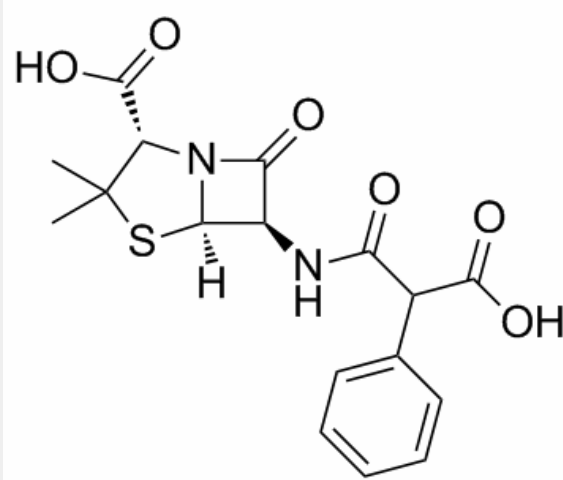
Product Description

Carbenicillin is broad-spectrum semisynthetic penicillin derivative used parenterally.

Target: Antibacterial

Carbenicillin is a semi-synthetic penicillin antibiotic which interferes with cell wall synthesis of gram-negative bacteria while displaying low toxicity. The leukocytes of the patients does not release histamine on in vitro provocation with Carbenicillin (0.1

g/mL). Carbenicillin (0.1 g/mL) does not show any allergic drug reactions in cystic fibrosis patients, as evident by no significant levels of antibodies of IgE, IgG or IgM classes [1]. Carbenicillin (50 µg/mL) results in phytotoxicity in chrysanthemum and TOB, with an increase in the concentration, and with a parallel shift in the morphogenic capacity (SRC) of threshold survival levels (TSLs). Carbenicillin results in 100% acclimatization with no different morphological flowering characteristics following subculture in vitro three times in Chrysanthemum plantlets [2].



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