Bioactive Molecules, Building Blocks, Intermediates

Data Sheet

Product Name: Tebipenem pivoxil
Cat. No.: CS-2490
CAS No.: 161715-24-8
Molecular Formula: C_{22}H_{31}N_{3}O_{6}S_{2}
Molecular Weight: 497.63
Target: Bacterial
Pathway: Anti-infection
Solubility: DMSO: ≥150 mg/mL

BIOLOGICAL ACTIVITY:

Tebipenem Pivoxil is a novel oral carbapenem antibiotic.

Target: Antibacterial

Tebipenem is a broad spectrum orally administered antibiotic, from the carbapenem subgroup of beta-lactam antibiotics. It was developed as a replacement drug to combat bacteria that had acquired antibiotic resistance to commonly used antibiotics. Tebipenem is formulated as the ester tebipenem pivoxil due to the better absorption and improved bioavailability of this form. It has performed well in clinical trials for ear infection and looks likely to be further developed in future [1-3].

References:


Caution: Product has not been fully validated for medical applications. For research use only.