

Product Name	: Tebipenem Pivoxil
Synonyms	: ME1211; SPR994; TBM-PI; Tebipenem pivoxil
Cat No.	: M17343
CAS Number	: 161715-24-8
Molecular Formula	: C ₂₂ H ₃₁ N ₃ O ₆ S ₂
Formula Weight	: 497.63
Chemical Name	: (pivaloyloxy)methyl (4R,5R,6S)-3-((1-(4,5-dihydrothiazol-2-yl)azetidin-3-yl)thio)-6-((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylate
Description	Tebipenem pivoxil, also known as ME1211; SPR994 and TBM-PI, is a novel oral carbapenem antibiotic. TBM-PI is a promising antibiotic for the treatment of acute otitis media. Tebipenem pivoxil displays an excellent antibacterial activity against a variety of pathogenic bacteria in vitro. Importantly, tebipenem pivoxil significantly protects the sepsis mice challenged with various pathogenic bacteria, which may provide a potential approach to treating bacterial sepsis in clinic.
Pathway	: Cell Cycle/DNA Damage
Target	: PAK
Receptor	: Others
Solubility	: DMSO : ≥ 150 mg/mL; 301.43 mM
SMILES	: <chem>CC(C)(C)OC(=O)N2C(=C1SC1CN(C1)C1=NCCS1)C(=O)OCOC(=O)C(C)(C)C[C@@H](C)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Kato K, et al. Mol Pharm, 2010, 7(5), 1747-1756.