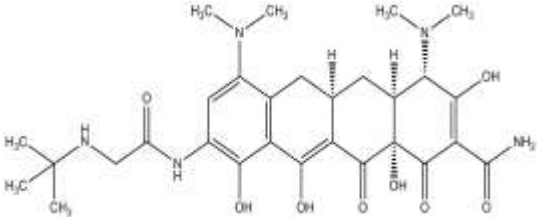


Tigecycline

ALTERNATE NAME:	N-[(5aR,6aS,7S,9Z,10aS)-9-[amino(hydroxy)methylidene]-4,7-bis(dimethylamino)-1,10a,12-trihydroxy-8,10,11-trioxo-5,5a,6,6a,7,8,9,10,10a,11-decahydrotetracen-2-yl]-2-(tert-butylamino)acetamide
CATALOG #:	1956-5, 25
AMOUNT:	5 mg, 25 mg
STRUCTURE:	 The chemical structure of Tigecycline is a complex polycyclic molecule. It features a central tetracycline core with a glycyglycine side chain at the 2-position. The side chain consists of a tert-butylamino group attached to a methylene group, which is further attached to a glycylglycine moiety. The tetracycline core has several hydroxyl groups and a dimethylamino group at the 4 and 7 positions. The stereochemistry is indicated with wedges and dashes.
MOLECULAR FORMULA:	C ₂₉ H ₃₉ N ₅ O ₈
MOLECULAR WEIGHT:	586.65
CAS NUMBER:	220620-09-7
APPEARANCE:	Off-white to yellow brown solid
SOLUBILITY:	DMSO (~ 3 mg/ml with warming)
PURITY:	≥98% by HPLC
STORAGE:	Store at -20 °C. Protect from light
DESCRIPTION:	A glycyglycine type of antibiotic derived from tetracycline. Inhibits protein translation in bacteria by binding to the 30S ribosomal subunit and blocking entry of amino-acyl tRNA molecules into the A site of the ribosome. This prevents incorporation of amino acid residues into elongating peptide chains.
HANDLING:	Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- Betulinic Acid (Cat. No. 1552-25)
- Bexarotene (Cat. No. 1575-5, 50)
- Blasticidin S, Hydrochloride (Cat. No. 1859-25,100)
- Capecitabine (Cat. No. 1741-100, 1000)
- Carboplatin (Cat. No. 1553-100)
- Cisplatin (Cat. No. 1550-100,1000)
- Cycloheximide (Cat. No. 1041-1G, 5G)
- Cycloheximide (100 mM) (Cat. No. 1041-1)
- Daunorubicin.HCl (1524-10,50,500)
- Doxorubicin HCl (Cat. No. 1527-5)
- Fludarabine Phosphate (Cat. No. 1763-10, 50)
- G-418 Sulfate (Cat. No. 1557-100, 5G, 25G)
- Gemcitabine Hydrochloride (Cat. No. 1759-25, 100)
- Genistein (Cat. No. 1533-10)
- Nedaplatin (Cat. No. 1576-5)
- Oxaliplatin (Cat. No. 1577-25)
- Paclitaxel (Cat. No. 1567-25)
- Puromycin DiHydrochloride (Cat. No. 1860-25, 100, 250, 500,1000)
- EZSolution™ Puromycin Dihydrochloride (Cat. No. 1861-100)
- Streptozocin (Cat. No. 1930-100, 500, 1000)