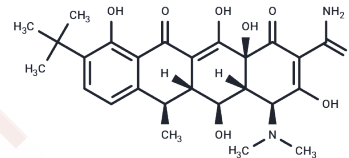


## 9-tert-Butyldoxycycline

## Chemical Properties

CAS No. :	233585-94-9
Formula:	C <sub>26</sub> H <sub>32</sub> N <sub>2</sub> O <sub>8</sub>
Molecular Weight:	500.541
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	9-tert-Butyldoxycycline exhibits immunomodulatory activity by altering the polarization state of polymorphonuclear neutrophils and ameliorating inflammatory responses in ischemia-reperfusion injury models. Additionally, 9-tert-Butyldoxycycline serves as a ligand for the "Tet-On" inducible gene expression system.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9978 mL	9.9892 mL	19.9784 mL
5 mM	0.3996 mL	1.9978 mL	3.9957 mL
10 mM	0.1998 mL	0.9989 mL	1.9978 mL
50 mM	0.040 mL	0.1998 mL	0.3996 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481