

Minocycline (hydrochloride)

Catalog No: tcsc1256



Available Sizes

Size: 50mg

Size: 100mg



Specifications

CAS No:

13614-98-7

Formula:

$C_{23}H_{28}ClN_3O_7$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

DMSO : 0.49 mg/mL (0.99 mM; Need ultrasonic and warming); H₂O : 2.45 mg/mL (4.96 mM; Need ultrasonic and warming)

Observed Molecular Weight:

493.94

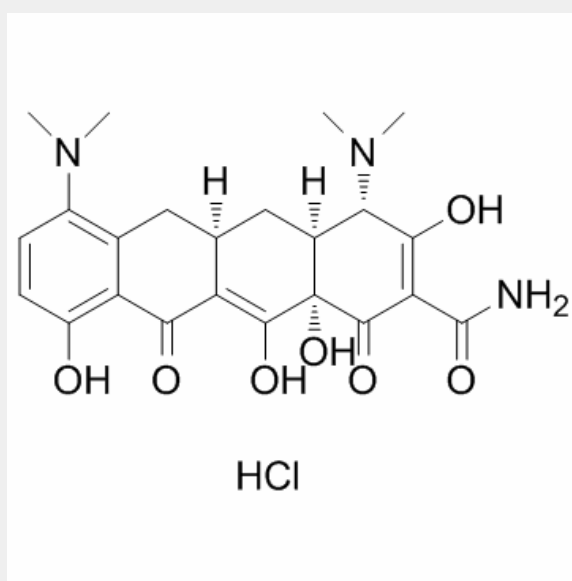
Product Description

Minocycline is a tetracycline antibiotic with neuroprotective, antiapoptotic, anti-inflammatory and antimicrobial effects.

IC₅₀ Value: N/A

Target: Antibacterial

Minocycline acts as a matrix metalloproteinase (MMP) inhibitor; attenuates disease severity in mouse models of multiple sclerosis. Minocycline also inhibit the enzymatic activity of poly(ADP-ribose) polymerase-1 (PARP-1) and angiogenesis. In addition, Minocycline is suggested to down-regulate CD40L on T cells and inhibit the replication of SIV and HIV. Orally active and brain penetrant.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!