

Dapsone

Catalog No: tcsc2928



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

80-08-0

Formula:

$C_{12}H_{12}N_2O_2S$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 34 mg/mL (136.93 mM)

Alternative Names:

4,4'-Diaminodiphenyl sulfone;DDS

Observed Molecular Weight:

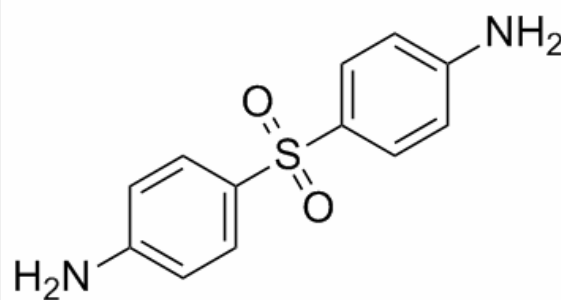
248.3

Product Description

Dapsone is a sulfone active against a wide range of bacteria but mainly employed for its actions against mycobacterium leprae.

Target: Antibacterial

Dapsone is an antibacterial most commonly used in combination with rifampicin and clofazimine as multidrug therapy (MDT) for the treatment of *Mycobacterium leprae* infections (leprosy). Dapsone antagonized all of the I/R end points measured, showing a remarkable ability to decrease markers of damage through antioxidant, antiinflammatory, and anti-apoptotic effects [1]. As an antibacterial, dapsone inhibits bacterial synthesis of dihydrofolic acid, via competition with para-aminobenzoate for the active site of dihydropteroate synthetase. Dapsone has anti-inflammatory and immunomodulatory effects [2].



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