

# Olsalazine (Disodium)

Catalog No: tcsc2050



## Available Sizes

Size: 5g

Size: 10g



## Specifications

### CAS No:

6054-98-4

### Formula:

$C_{14}H_8N_2Na_2O_6$

### Pathway:

Anti-infection

### Target:

Bacterial

### Purity / Grade:

>98%

### Solubility:

DMSO : 20 mg/mL (57.77 mM; Need ultrasonic); H<sub>2</sub>O : 50 mg/mL (144.43 mM; Need ultrasonic)

### Observed Molecular Weight:

346.2

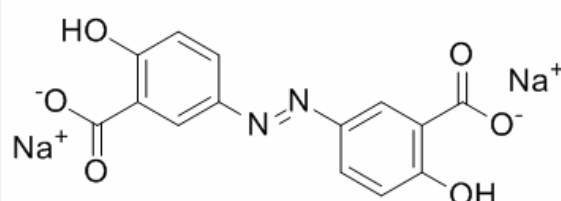
## Product Description

Olsalazine is an anti-inflammatory drug used in the treatment of Inflammatory Bowel Disease and Ulcerative Colitis.

Target: Antibacterial

Olsalazine is a derivative of salicylic acid. Inactive by itself (it is a prodrug), it is converted by the bacteria in the colon to mesalamine. Olsalazine is potent inhibitors of human intestinal macrophages chemotaxis to LTB<sub>4</sub> with IC<sub>50</sub> of 0.39 mM. Olsalazine

(0.4 mM) inhibits the superoxide radical production generated by phorbol myristate acetate (PMA)-activated neutrophils or by xanthine-xanthine oxidase reaction by reduction of 31% and 73%, respectively. Olsalazine inhibits tumor growth in a rodent model of colorectal cancer. In 1,2-dimethylhydrazine-treated rats, Olsalazine (25 mg/kg/day) decreases number and volume of tumors by 58.17% and 62.67%, respectively. Administration of Olsalazine induces a 1.7-fold times increase in the number of apoptotic cells, companied with a reduction of 42.4% in cell proliferation rate.



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