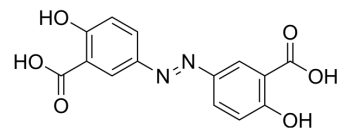


## Olsalazine

<b>Cat. No.:</b>	HY-B0174A
<b>CAS No.:</b>	15722-48-2
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>10</sub> N <sub>2</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	302.24
<b>Target:</b>	Leukotriene Receptor; Antibiotic
<b>Pathway:</b>	GPCR/G Protein; Anti-infection
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (165.43 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	3.3086 mL	16.5431 mL	33.0863 mL	
5 mM	0.6617 mL	3.3086 mL	6.6173 mL	
10 mM	0.3309 mL	1.6543 mL	3.3086 mL	

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Olsalazine is a potent inhibitor of macrophages chemotaxis to LTB<sub>4</sub> with an IC<sub>50</sub> value of 0.39 mM, also reduces the synthesis of 5-hydroxyeicosatetraenoic acid (5-HETE), 11-HETE, 12-HETE, and 15-HETE in polymorphonuclear leukocyte (PMNL) and mononuclear cells (MNL). Olsalazine can be used for researching ulcerative colitis. Anti-inflammatory activity<sup>[1][2]</sup>.

#### IC<sub>50</sub> & Target

IC<sub>50</sub>: 0.39 mM (LTB<sub>4</sub>)<sup>[1]</sup>

### REFERENCES

[1]. Nielsen, O.H., H.W. Verspaget, and J. Elmgreen, Inhibition of intestinal macrophage chemotaxis to leukotriene B<sub>4</sub> by sulphasalazine, olsalazine, and 5-aminosalicylic acid. *Aliment Pharmacol Ther*, 1988, 2(3): p. 203-11.

[2]. Horn H, et al. Modulation of arachidonic acid metabolism by olsalazine and other aminosalicylates in leukocytes. *Scand J Gastroenterol*. 1991 Aug;26(8):867-79.

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA