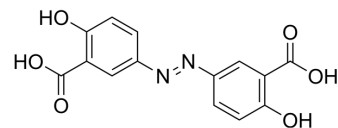


Olsalazine

Cat. No.:	HY-B0174A
CAS No.:	15722-48-2
Molecular Formula:	C ₁₄ H ₁₀ N ₂ O ₆
Molecular Weight:	302.24
Target:	Leukotriene Receptor; Antibiotic
Pathway:	GPCR/G Protein; Anti-infection
Storage:	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)				
		Mass	1 mg	5 mg	10 mg
		Solvent			
		Concentration			
	Preparing Stock Solutions	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 ₄ with an IC ₅₀ 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 ^{[1][2]} .
IC₅₀ & Target	IC ₅₀ : 0.39 mM (LTB ₄) ^[1]

REFERENCES

[1]. Nielsen, O.H., H.W. Verspaget, and J. Elmgreen, Inhibition of intestinal macrophage chemotaxis to leukotriene B₄ 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.

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