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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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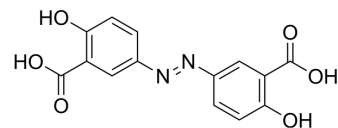
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Olsalazine

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 : 20 mg/mL (66.17 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		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.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2 mg/mL (6.62 mM); Clear solution					

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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