

Product Data Sheet

Product Name: Olsalazine

Cat. No.: GC74188

Chemical Properties

Cas. No. 15722-48-2

Formula $C_{14}H_{10}N_2O_6$ M.Wt 302.24

Solubility DMSO : 20 mg/mL (66.17 mM; Need ultrasonic) Storage 4°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

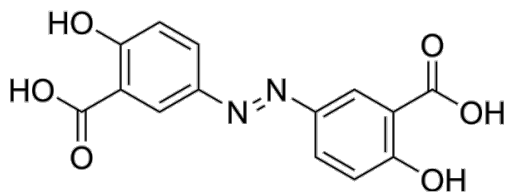
Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Structure



Background

Olsalazine is a potent inhibitor of macrophages chemotaxis to LTB₄ with an IC₅₀ value of 0.39 mM, also reduces the synthesis of 5-droxyeicosatetraenoic 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.

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.

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