

Olsalazine-13C6 Biochemical

Olsalazine-13C6

CATALOG #
AAA227191

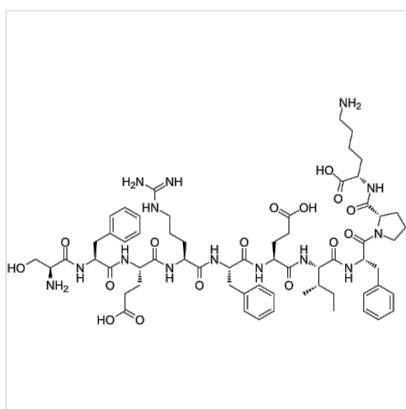
PRODUCT SYNONYMS

Olsalazine-13C6; Olsalazine-13C6 biochemical

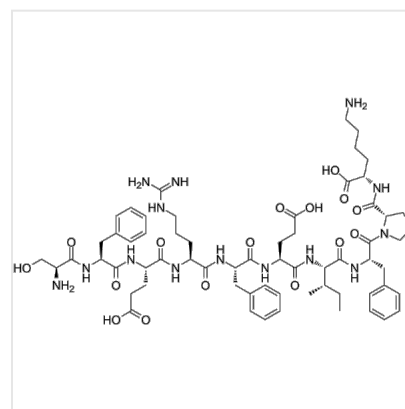
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	DMSO: Soluble Methanol: Soluble <1mg/ml refers to the product slightly soluble or insoluble
In vitro	In vitro, olsalazine increases ion transport in isolated rabbit distal ileum when applied to the luminal side (ED50= 0.3 mM) and stimulates fluid transport in rat jejunum when used at a concentration of 5 mM.2,3Olsalazine (150 mg/kg for 8 days) improves stool consistency and decreases occult and gross bleeding as well as myeloperoxidase (MPO) activity and leukotriene B4levels in colon tissue in a mouse model of acute colitis induced by dextran sulfate.4Olsalazine also inhibits bovine xanthine oxidasein vitro(IC50= 3.4 mg/L) and lowers serum uric acid levels in a mouse model of hyperuricemia induced by oxonic acid when administered at a dose of 20 mg/kg.5Formulations containing olsalazine have been used in the treatment of inflammatory bowel disease (IBD) and ulcerative colitis.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Influenza HA (110-119), CAS 132031-50-6



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ADDITIONAL INFORMATION

Related Product Information for Olsalazine-13C6 biochemical

Olsalazine-13C6is intended for use as an internal standard for the quantification of olsalazine by GC- or LC-MS. Olsalazine is an orally bioavailable prodrug form of the anti-inflammatory agent 5-aminosalicylic acid that is cleaved by bacterial azo reductases in the gut to generate active 5-ASA.¹

References

1. L Faulkner, et al. IL-2 linked to a peptide from influenza hemagglutinin enhances T cell activation by affecting the antigen-presentation function of bone marrow-derived dendritic cells. *Int Immunol*. 2001 Jun;13(6):713-21.
2. Joseph Larkin 3rd, et al. Activation of CD4+ CD25+ regulatory T cell suppressor function by analogs of the selecting peptide. *Eur J Immunol*. 2007 Jan;37(1):139-46.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/olsalazine-13c6/227191>