
Product Data Sheet

Product Name: Balsalazide sodium hydrate

Cat. No.: GC35466

Chemical Properties

Cas. No. 150399-21-6

SMILES [O-]C(CCNC(C1=CC=C(/N=N/C2=CC=C([O-])C(C(O)=O)=C2)C=C1)=O)=O.[Na+].[Na+].O.OFormula C₁₇H₁₇N₃Na₂O₈

M.Wt 437.31

Solubility DMSO : 125 mg/mL (285.84 mM; Need ultrasonic); H₂O :
100 mg/mL (228.67 mM; Need ultrasonic)Store
Storage at -
20°C

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.

Structure

Background

Balsalazide is a prodrug form of 5-aminosalicylic acid ¹. It is cleaved by bacterial azoreductases in the intestinal lumen to release 5-ASA. Balsalazide (600 mg/kg per day) decreases IL-2 levels and increases IL-6 levels in the serum and colonic mucosa membrane, as well as decreases micro- and macroscopic colonic damage, in a rat model of colitis induced by 2,4-dinitrochlorobenzene (DNCB).² Formulations containing balsalazide have been used in the treatment of ulcerative colitis.

1. Tursi, A. Balsalazide in treating colonic diseases Expert Opin. Drug Metab.

Toxicol. 5(12)1555-1563(2009) 2. Lu, Y.-X., and Chen, X.-M. Effects of balsalazide on experimental colitis induced by 2,4-dinitrochlorobenzene in rats Zhongguo Xinyao Yu Linchuang Zazhi 26(12)901-904(2007)

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

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