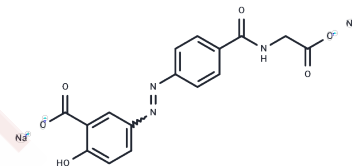


Ipsalazide

Chemical Properties

CAS No. :	82101-17-5
Formula:	C ₁₆ H ₁₁ N ₃ Na ₂ O ₆
Molecular Weight:	387.25
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Ipsalazide is a novel salicylazosulfapyridine analog for the treatment of inflammatory bowel disease.
Targets(IC50)	Autophagy
In vitro	Ipsalazide is designed with the replacement of the sulfapyridine of sulfasalazine by carrier molecules, aiming to mitigate side effects. Sulfasalazine exerts beneficial effects in colitis by releasing 5-aminosalicylic acid in the colon, but its use can be limited by side effects[1].
In vivo	Within 7 days of a single oral dose of ipsalazide (4 g/kg in mice or 2 g/kg in rats), no deaths or visible abnormalities occurred. At postmortem, no abnormalities were observed. The carrier molecule of ipsalazide (ABG) is readily absorbed, with nearly half of the dose appearing in the urine. However, approximately 40% of the ABG was not recovered, and it is possible that this has undergone further metabolism, resulting in the loss of the aromatic amine function, which is the basis for the colorimetric measurement of ABG[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5823 mL	12.9116 mL	25.8231 mL
5 mM	0.5165 mL	2.5823 mL	5.1646 mL
10 mM	0.2582 mL	1.2912 mL	2.5823 mL
50 mM	0.0516 mL	0.2582 mL	0.5165 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Chan RP, et al. Studies of two novel sulfasalazine analogs, ipsalazide and balsalazide. Dig Dis Sci. 1983 Jul;28(7): 609-15.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481