

## Balsalazide

## Chemical Properties

CAS No. : 80573-04-2

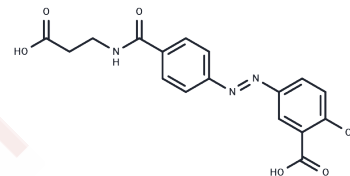
Formula: C<sub>17</sub>H<sub>15</sub>N<sub>3</sub>O<sub>6</sub>

Molecular Weight: 357.32

Storage: Store at low temperature, Keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Balsalazide (Balsalazido) is an anti-inflammatory compound used in the treatment of Inflammatory Bowel Disease.
Targets(IC50)	STAT, Interleukin, Lipoxygenase

## Solubility Information

Solubility	H <sub>2</sub> O: 10 mg/mL (27.99 mM), Sonication is recommended. DMSO: 20 mg/mL (55.97 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.6 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	2.7986 mL	13.9931 mL	27.9861 mL
5 mM	0.5597 mL	2.7986 mL	5.5972 mL
10 mM	0.2799 mL	1.3993 mL	2.7986 mL
50 mM	0.056 mL	0.2799 mL	0.5597 mL

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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

Kruis W, et al. Low dose balsalazide (1.5 g twice daily) and mesalazine (0.5 g three times daily) maintained remission of ulcerative colitis but high dose balsalazide (3.0 g twice daily) was superior in preventing relapses. *Gut*, 2001. 49(6): p. 783-789.

Wiggins JB, et al. Balsalazide: a novel 5-aminosalicylate prodrug for the treatment of active ulcerative colitis. *Expert Opin Drug Metab Toxicol*, 2009. 5(10): p. 1279-1284.

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