

产品名称：巴柳氮钠
产品别名：巴柳氮； **Balsalazide**

生物活性:

Description	Balsalazide could suppress colitis-associated carcinogenesis through modulation of IL-6/STAT3 pathway.				
IC ₅₀ & Target	STAT3	IL-6			
In Vivo	At the endpoint, the protein production of MIP-1β, MCP-1, IL-6, and IL-10 in the colon tissues decrease in concordance with the plasma concentrations of the cytokines. The drug-treated groups reveal lower expression of p-STAT3 compared to the CAC group. In addition, BCL2 decreases and BAX increases markedly in the BSZ+VSL#3 group[1]. Balsalazide is a new 5-aminosalicylic acid (5-ASA) containing prodrug[2].				
Solvent&Solubility	In Vitro: DMSO : ≥ 41 mg/mL (114.74 mM) * "≥" means soluble, but saturation unknown.				
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
		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
*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液，一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。 储备液的保存方式和期限：-80℃, 6 months; -20℃, 1 month。-80℃ 储存时，请在 6 个月内使用，-20℃ 储存时，请在 1 个月内使用。					
References	[1]. Do EJ, et al. Suppression of colitis-associated carcinogenesis through modulation of IL-6/STAT3 pathway by balsalazide and VSL#3. J Gastroenterol Hepatol. 2016 Aug;31(8):1453-61. [2]. 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.				
实验参考:					
Animal Administration	Mice[1] C57B/L6J mice are randomly divided into four groups: CAC group, Balsalazide (BSZ) group (300 mg/kg), VSL#3 group, and BSZ+VSL#3 group. After two weeks, the AOM/DSS model is induced by AOM injection followed by two cycles of 2% DSS[1].				
References	[1]. Do EJ, et al. Suppression of colitis-associated carcinogenesis through modulation of IL-6/STAT3 pathway by balsalazide and VSL#3. J Gastroenterol Hepatol. 2016 Aug;31(8):1453-61. [2]. 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.				