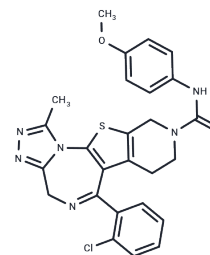


## Setipafant

### Chemical Properties

CAS No. : 132418-35-0  
 Formula: C<sub>26</sub>H<sub>23</sub>ClN<sub>6</sub>O<sub>2</sub>S  
 Molecular Weight: 519.02  
 Storage: 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	Setipafant is an antagonist of the platelet-activating factor.
Targets(IC50)	Others,PAFR
In vivo	Pretreatment of the animals with one or other of the structurally unrelated PAF receptor antagonists, BN 52021 (10 mg/kg, i.p.) or Setipafant (1 mg/kg, i.p.) significantly decreases Dexamethasone-induced gastric damage. Animals are separated into six groups: U4, controls; S, sham-operated animals undergoing laparotomy; I4 and I9, ligation of the mesenteric vessels in the last ileal loop; IT4 and IT9, same procedure together with treatment with Setipafant (50 mg/kg) orally before and after surgery and intraperitoneally during surgery. Animals are killed at day 4 in groups U4, S, I4, and IT4 and on day 9 in groups I9 and IT9, with histological studies and mediator measurements taken. Macroscopic and histological lesions of the intestinal wall in groups I4, I9, IT4, and IT9 are similar to those of human neonatal necrotizing enterocolitis and do not vary according to the absence or the presence of Setipafant treatment. Peritoneal bands are significantly reduced in treated groups IT4 and IT9 as compared with untreated ones I4 and I9. Mucosal PAF levels in the terminal ileum are higher in group I4 than in groups U4 or I9. In the upper loop, mucosal PAF levels are comparable in all groups. An increase in stool PAF levels is observed only in group I9, whereas values comparable to those observed in controls are detected in other groups [1][2].

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	1.9267 mL	9.6335 mL	19.2671 mL
5 mM	0.3853 mL	1.9267 mL	3.8534 mL
10 mM	0.1927 mL	0.9634 mL	1.9267 mL
50 mM	0.0385 mL	0.1927 mL	0.3853 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

de Boissieu D, et al. Effect of BN 50727 on pathological findings and tissue platelet activating factor levels during ileal ischemia in newborn piglets. *J Pediatr Surg.* 1996 Dec;31(12):1675-9.

Filep JG, et al. Dexamethasone-induced gastric mucosal damage in the rat: possible role of platelet-activating factor. *Br J Pharmacol.* 1992 Apr;105(4):912-8.

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