

CV-6209

## Chemical Properties

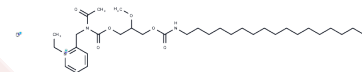
CAS No. : 100488-87-7

Formula: C<sub>34</sub>H<sub>60</sub>ClN<sub>3</sub>O<sub>6</sub>

Molecular Weight: 642.31

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	CV-6209 is a potent antagonist of the platelet-activating factor (PAF) receptor.
Targets(IC50)	Cholinesterase (ChE),PAFR
In vitro	CV-6209 (0.2-2 μM; pretreatment for 30 min) inhibited PAF-induced degranulation of LAD2 and hLMC MC; CV-6209 (30 nM) inhibited the release of [3H]5-hydroxytryptamine from rabbit platelets stimulated by PAF [4].
In vivo	CV-6209 (i.v.) inhibited PAF (0.3 μg/kg; i.v.) induced hypotension in rats (ED50=0.009 mg/kg) but had no effect on arachidonic acid, histamine, bradykinin and isobarbital-induced hypotension [4]. CV-6209 (66 μg; i.v.) reduced asparaginase-induced hypersensitivity compared to untreated sensitized mice [5].

## Solubility Information

Solubility	DMSO: 80 mg/mL (124.55 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5569 mL	7.7844 mL	15.5688 mL
5 mM	0.3114 mL	1.5569 mL	3.1138 mL
10 mM	0.1557 mL	0.7784 mL	1.5569 mL
50 mM	0.0311 mL	0.1557 mL	0.3114 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

Iwao Y, et al. Anti-Helicobacter pylori actions of CV-6209, a platelet-activating factor receptor antagonist. J Gen Appl Microbiol. 2013;59(2):147-52.

Qayumi KA, Eet al. A new platelet-activating factor antagonist (CV-6209) in preservation of heart and lung for transplantation. Cardiovasc Drugs Ther. 1997 Dec;11(6):777-85.

Gupta JB, et al. Platelet-activating-factor-induced changes in cardiovascular function and oxyradical status of myocardium in presence of the PAF antagonist CV-6209. Angiology. 1994 Jan;45(1):25-36.

Terashita Z, et al. CV-6209, a highly potent antagonist of platelet activating factor in vitro and in vivo. J Pharmacol Exp Ther. 1987 Jul;242(1):263-8.

Fernandez CA, et al. Effect of premedications in a murine model of asparaginase hypersensitivity. J Pharmacol Exp Ther. 2015 Mar;352(3):541-51.

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