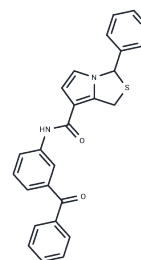


## Tulopafant

## Chemical Properties

CAS No. :	116289-53-3
Formula:	C <sub>25</sub> H <sub>19</sub> N <sub>3</sub> O <sub>2</sub> S
Molecular Weight:	425.5
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	Tulopafant (RP 59227) is a potent platelet-activating factor (PAF) antagonist that increases capillary patency and prolongs allograft heart survival.
Targets(IC50)	PAFR
In vitro	Preincubation of neutrophils with Tulopafant (RP 59227) results in a concentration-dependent decrease in chemiluminescence emitted by PAF-primed cells[2].
In vivo	Tulopafant (RP 59227) effectively reduces myocardial infarct size and decreases the incidence of ischemia and reperfusion-induced arrhythmias in barbital-anesthetized dogs[1]. Histological examination shows a marked decrease in interstitial hemorrhage and platelet and granulocyte deposition in cardiac xenograft capillaries when recipient animals are pretreated with Tulopafant[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3502 mL	11.7509 mL	23.5018 mL
5 mM	0.470 mL	2.3502 mL	4.7004 mL
10 mM	0.235 mL	1.1751 mL	2.3502 mL
50 mM	0.047 mL	0.235 mL	0.470 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

O'Hair DP, et al. Tulopafant, a PAF receptor antagonist, increases capillary patency and prolongs survival in discordant cardiac xenotransplants. *J Lipid Mediat.* 1993 May;7(1):79-84.

Auchampach JA, et al. Effect of the platelet-activating factor antagonist RP 59227 (Tulopafant) on myocardial ischemia/reperfusion injury and neutrophil function. *Basic Res Cardiol.* 1998 Oct;93(5):361-71.

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