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## Product Data Sheet

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Product Name: Tulopafant (RP 59227)

Cat. No.: GC32541

### Chemical Properties

Cas. No. 116289-53-3

SMILES O=C(C(C=C1)=C2N1C(C3=CC=CN=C3)SC2)NC4=CC=CC(C(C5=CC=CC=C5)=O)=C4

Formula  $C_{25}H_{19}N_3O_2S$  M.Wt 425.5

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

### Background

Tulopafant is a platelet activating factor (PAF) antagonist.

Preincubation of neutrophils with Tulopafant (RP 59227) results in a concentration-dependent decrease in chemiluminescence produced by PAF primed cells[1].

Tulopafant (RP 59227) effectively reduces myocardial infarct size and reduces the incidence of ischemia and reperfusion-induced arrhythmias in barbital-anesthetized dogs[1]. Histological examination reveals marked diminution of both interstitial hemorrhage and deposition of platelet and granulocytes in capillaries of cardiac xenografts when recipient animals are pretreated with Tulopafant[2].

[1]. 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. [2]. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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