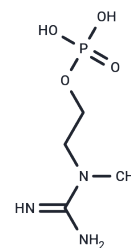


## Aplodan

## Chemical Properties

CAS No. :	6903-79-3
Formula:	C <sub>4</sub> H <sub>12</sub> N <sub>3</sub> O <sub>4</sub> P
Molecular Weight:	197.13
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	Aplodan (creatinol-O-phosphate) exhibits antiischemic and antiarrhythmic capacity and protective action on the cell membrane. Aplodan can be used in research on the ischemic heart or ischemic heart disease with persistent ventricular premature beats.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: Slightly soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0728 mL	25.364 mL	50.7279 mL
5 mM	1.0146 mL	5.0728 mL	10.1456 mL
10 mM	0.5073 mL	2.5364 mL	5.0728 mL
50 mM	0.1015 mL	0.5073 mL	1.0146 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

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- Ferrini R, Miragoli G. Protective effect of creatinol O-phosphate (COP) on some experimental arrhythmias in vitro and in vivo. *Arzneimittelforschung*. 1979;29(9a):1475-7. PubMed PMID: 575497.
- Godfraind T, Ghysel-Burton J, Merlo L. The action of creatinol O-phosphate on the inotropic effect of isoprenaline in isolated rat atria and in anesthetized dogs. *Arzneimittelforschung*. 1979;29(9a):1465-7. PubMed PMID: 575493.
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