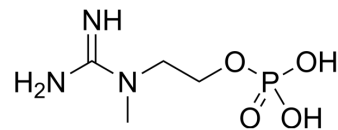


Aplodan

Cat. No.:	HY-107335
CAS No.:	6903-79-3
Molecular Formula:	C ₄ H ₁₂ N ₃ O ₄ P
Molecular Weight:	197.13
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 62.5 mg/mL (317.05 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.0728 mL	25.3640 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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Aplodan is an antiischemic and antiarrhythmic agent. Aplodan has a protective action on cell membrane. Aplodan has the potential for the research of ischemic heart or ischemic heart disease with persistent ventricular premature beats (VPB) ^{[1][2]}

REFERENCES

- [1]. Botti G, et al. Preliminary report on electrophysiological effectiveness of creatinol O-phosphate (COP) in human subjects. *Arzneimittelforschung*. 1979;29(9a):1491-1494.
- [2]. Di Maio F, et al. Activity of creatinol O-phosphate on persistent ventricular premature beats in ischemic heart disease. Double blind clinical trial. *Arzneimittelforschung*. 1979;29(9a):1488-1490.

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

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