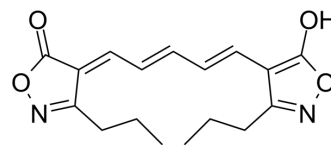


Oxonol VI

Cat. No.:	HY-D1435
CAS No.:	64724-75-0
Molecular Formula:	C ₁₇ H ₂₀ N ₂ O ₄
Molecular Weight:	316.35
Target:	Na ⁺ /K ⁺ ATPase
Pathway:	Membrane Transporter/Ion Channel
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (316.11 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.1611 mL	15.8053 mL	31.6106 mL
	5 mM	0.6322 mL	3.1611 mL	6.3221 mL
	10 mM	0.3161 mL	1.5805 mL	3.1611 mL

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

BIOLOGICAL ACTIVITY

Description

Oxonol VI acts as an optical indicator for membrane potentials in lipid vesicles. Oxonol VI is suitable for detecting changes of membrane potential associated with the activity of the (Na⁺ + K⁺)-ATPase in reconstituted vesicles^[1].

REFERENCES

[1]. H J Apell, et al. Oxonol VI as an optical indicator for membrane potentials in lipid vesicles. *Biochim Biophys Acta*. 1987 Oct 16;903(3):480-94.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA