

## Selachyl alcohol

## Chemical Properties

CAS No. : 593-31-7

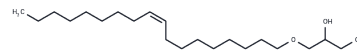
Formula: C<sub>21</sub>H<sub>42</sub>O<sub>3</sub>

Molecular Weight: 342.56

Store at low temperature

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	Selachyl alcohol is an orally active antihypertensive agent with activities similar to antihypertensive neutral renomedullary lipid (ANRL). As an alkylglycerol compound in shark liver oil mixtures, it possesses lung metastasis-inhibiting properties and can be used for cardiovascular disease research.
Targets(IC50)	Others,Endogenous Metabolite
In vivo	<b>Methods:</b> The therapeutic effects of selachyl alcohol (5, 10 mg/kg, oral) or (1 mg/kg, intravenous) were investigated in hypertensive male Sprague-Dawley rats. <b>Results:</b> Selachyl alcohol induced a slow decrease in blood pressure of approximately 60 mmHg that lasted for 20 minutes. It was effective in lowering gastrointestinal blood pressure. [1]

## Solubility Information

Solubility	DMSO: 80 mg/mL (233.54 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (9.63 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

---

	1mg	5mg	10mg
1 mM	2.9192 mL	14.596 mL	29.192 mL
5 mM	0.5838 mL	2.9192 mL	5.8384 mL
10 mM	0.2919 mL	1.4596 mL	2.9192 mL
50 mM	0.0584 mL	0.2919 mL	0.5838 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

Muirhead EE, et al. Selachyl alcohol as an oral antihypertensive agent: a preliminary note. Am J Med Sci. 1987 Nov; 294(5):384-7.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481