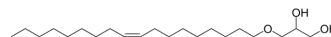


Selachyl alcohol

Cat. No.:	HY-152899
CAS No.:	593-31-7
Molecular Formula:	C ₂₁ H ₄₂ O ₃
Molecular Weight:	342.56
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Selachyl alcohol is an orally active antihypertensive agent. Selachyl alcohol has similar activities with antihypertensive neutral renomedullary lipid (ANRL). Selachyl alcohol is an alkylglycerol compound in shark liver oil mixture with properties that reduce lung metastasis. Selachyl alcohol can be used for cardiovascular disease research ^{[1][2]} .								
In Vivo	<p>Selachyl alcohol (5 and 10 mg, oral gavage, 5 times; 1 mg, i.v., once) reduces blood pressure in hypertensive mice^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Male Sprague-Dawley rats with hypertension^[1]</td> </tr> <tr> <td>Dosage:</td> <td>5 and 10 mg (oral gavage); 1 mg (i.v.)</td> </tr> <tr> <td>Administration:</td> <td>Oral gavage, 5 and 10 mg, 10 occasions; intravenous injection, 1 mg, once</td> </tr> <tr> <td>Result:</td> <td>Induced blood pressure drops slowly about 60 mm Hg and remains for 20 minutes. Effectively reduced blood pressure by gastrointestinal tract.</td> </tr> </table>	Animal Model:	Male Sprague-Dawley rats with hypertension ^[1]	Dosage:	5 and 10 mg (oral gavage); 1 mg (i.v.)	Administration:	Oral gavage, 5 and 10 mg, 10 occasions; intravenous injection, 1 mg, once	Result:	Induced blood pressure drops slowly about 60 mm Hg and remains for 20 minutes. Effectively reduced blood pressure by gastrointestinal tract.
Animal Model:	Male Sprague-Dawley rats with hypertension ^[1]								
Dosage:	5 and 10 mg (oral gavage); 1 mg (i.v.)								
Administration:	Oral gavage, 5 and 10 mg, 10 occasions; intravenous injection, 1 mg, once								
Result:	Induced blood pressure drops slowly about 60 mm Hg and remains for 20 minutes. Effectively reduced blood pressure by gastrointestinal tract.								

REFERENCES

- [1]. Muirhead EE, et al. Selachyl alcohol as an oral antihypertensive agent: a preliminary note. *Am J Med Sci.* 1987 Nov;294(5):384-7.
- [2]. Momha R, et al. Anti-Angiogenic and Cytotoxicity Effects of Selachyl Alcohol Analogues. *Anticancer Agents Med Chem.* 2022;22(10):1913-1920.

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