



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

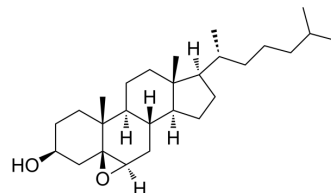
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Cholesterol 5beta,6beta-epoxide

| | |
|--------------------|--|
| Cat. No.: | HY-130502 |
| CAS No.: | 4025-59-6 |
| Molecular Formula: | C ₂₇ H ₄₆ O ₂ |
| Molecular Weight: | 402.65 |
| Target: | Biochemical Assay Reagents |
| Pathway: | Others |
| Storage: | Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month |



BIOLOGICAL ACTIVITY

Description

Cholesterol 5beta,6beta-epoxide is an oxidative metabolite of cholesterol formed by free-radical and non-radical oxidation of cholesterol at the 5,6 double bond. Induces lactate dehydrogenase (LDH) release and apoptosis in macrophage-differentiated U937 cells. Cholesterol 5beta,6beta-epoxide has been found in human fatty streaks and advanced atherosclerotic lesions, but not in normal aortic tissue^{[1][2][3]}.

REFERENCES

- [1]. Pulfer M K, et al. Formation of biologically active oxysterols during ozonolysis of cholesterol present in lung surfactant[J]. Journal of Biological Chemistry, 2004, 279(25): 26331-26338.
- [2]. Aringer L, et al. Formation and metabolism in vitro of 5, 6-epoxides of cholesterol and Δ^5 -sitosterol[J]. Journal of Lipid Research, 1974, 15(4): 389-398.
- [3]. Garcia-Cruset S, et al. Oxysterol profiles of normal human arteries, fatty streaks and advanced lesions. Free Radic Res. 2001 Jul;35(1):31-41.

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