SZABO SCANDIC

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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

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Toralactone

Cat. No.: HY-N7617

CAS No.: 41743-74-2

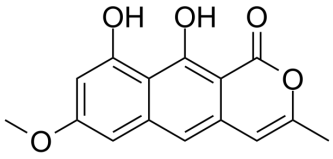
Molecular Formula: $C_{15}H_{12}O_5$

Molecular Weight: 272.25

Target: Keap1-Nrf2

Pathway: NF-κB

Storage: 4°C, protect from light
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 2.5 mg/mL (9.18 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	3.6731 mL	18.3655 mL	36.7309 mL
	5 mM	0.7346 mL	3.6731 mL	7.3462 mL
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

Toralactone, isolated from Cassia obtusifolia, mediates hepatoprotection via an Nrf2-dependent anti-oxidative mechanism [1].

In Vitro

Toralactone sensitize resistant MCF-7^{adr} cell line to paclitaxel via inhibiting P-glycoprotein efflux activity[2].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. YongtaekSeo, et al. Toralactone glycoside in Cassia obtusifolia mediates hepatoprotection via an Nrf2-dependent anti-oxidative mechanism. Food Research International. Volume 97, July 2017, Pages 340-346.

[2]. Salwa D. Alqahtani, et al. Abstract 1205: Rubrofusarin and toralactone sensitize resistant MCF-7adr cell line to paclitaxel via inhibiting P-glycoprotein efflux activity. AACR Annual Meeting 2017; April 1-5, 2017; Washington, DC.

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

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