



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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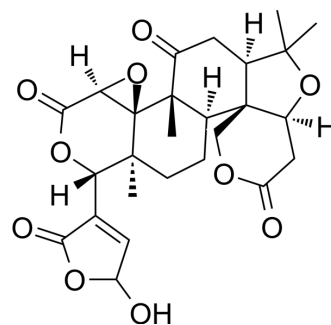
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## Isolimonexic acid

<b>Cat. No.:</b>	HY-N8405
<b>CAS No.:</b>	73904-93-5
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>30</sub> O <sub>10</sub>
<b>Molecular Weight:</b>	502.51
<b>Target:</b>	Cytochrome P450
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Isolimonexic acid is a limonoid isolated from lemon ( <i>Citrus lemon</i> L. Burm) seed, has anti-cancer and anti-aromatase (IC <sub>50</sub> =25.60 μM) properties <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Aromatase
<b>In Vitro</b>	Isolimonexic acid (200 μM; 72 hours) exhibits cytotoxicity on MCF-7 cells and shows no cytotoxicity against the MDA-MB-231 cell lines <sup>[1]</sup> . Isolimonexic acid (50 μg/ml; 48, 96 and 144 hours) exhibits cell growth inhibition of Panc-28 cells in a time-dependent manner. And its percent inhibition comparison to control cells are 21%, 68%, and 90.58% at 48, 72, and 144 h, respectively <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Jinhee Kim, et al. Limonoids and their anti-proliferative and anti-aromatase properties in human breast cancer cells. *Food Funct.* 2013 Feb;4(2):258-65.
- [2]. Jaiprakash R Patil, et al. Bioactive compounds from Mexican lime (*Citrus aurantifolia*) juice induce apoptosis in human pancreatic cells. *J Agric Food Chem.* 2009 Nov 25;57(22):10933-42.

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

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