



# 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

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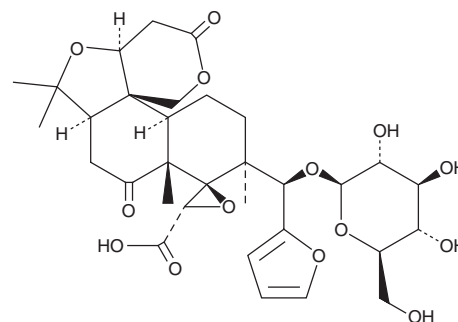
# PRODUCT INFORMATION



## Limonic 17-β-D-Glucopyranoside

Item No. 39147

**CAS Registry No.:** 123564-61-4  
**Formal Name:** (2aR,3'S,4aS,5R,6S,8aR,8bR,12aS)-6-[(S)-3-furanyl(β-D-glucopyranosyloxy)methyl]decahydro-2,2,4a,6-tetramethyl-4,11-dioxo-spiro[9H,11H-naphtho[1',2':3,4]furo[3,2-c]pyran-5(2H),2'-oxirane]-3'-carboxylic acid  
**Synonym:** Limonic Glucoside  
**MF:** C<sub>32</sub>H<sub>42</sub>O<sub>14</sub>  
**FW:** 650.7  
**Purity:** ≥95%  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:** ≥4 years  
**Item Origin:** Natural/Source unknown



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

Limonic 17-β-D-glucopyranoside is supplied as a solid. A stock solution may be made by dissolving the limonic 17-β-D-glucopyranoside in the solvent of choice, which should be purged with an inert gas. Limonic 17-β-D-glucopyranoside is soluble in water and methanol.

### Description

Limonic 17-β-D-glucopyranoside is a furanolactone that has been found in *C. reticulata* and has anticancer activity.<sup>1,2</sup> It induces apoptosis and disrupts the mitochondrial membrane potential in SW480 colon adenocarcinoma cells when used at a concentration of 100 μM.<sup>2</sup> Limonic 17-β-D-glucopyranoside inhibits the proliferation of MDA-Panc-28 pancreatic adenocarcinoma cells (IC<sub>50</sub> = 20.49 μM).<sup>1</sup>

### References

1. Patil, J.R., Jayaprakasha, G.K., Murthy, K.N.C., *et al.* Characterization of *Citrus aurantifolia* bioactive compounds and their inhibition of human pancreatic cancer cells through apoptosis. *Microchem. J.* **94(2)**, 108-117 (2010).
2. Murthy, K.N.C., Jayaprakash, G.K., Kumar, V., *et al.* Citrus limonic and its glucoside inhibit colon adenocarcinoma cell proliferation through apoptosis. *J. Agric. Food Chem.* **59(6)**, 2314-2323 (2011).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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