



# SZABO SCANDIC

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## Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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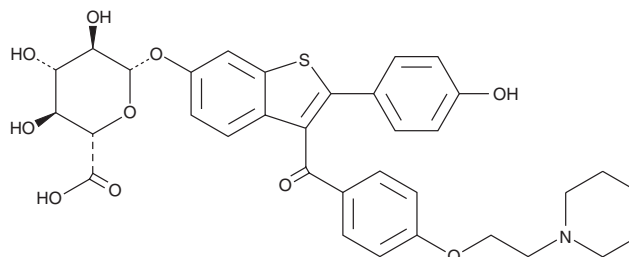
# PRODUCT INFORMATION



## Raloxifene 6-Glucuronide

Item No. 27832

**CAS Registry No.:** 174264-50-7  
**Formal Name:** 2-(4-hydroxyphenyl)-3-[4-[2-(1-piperidinyloxy)benzoyl]benzo[b]thien-6-yl],  $\beta$ -D-glucopyranosiduronic acid  
**Synonym:** Ral-6-Gluc  
**MF:**  $C_{34}H_{35}NO_{10}S$   
**FW:** 649.7  
**Purity:**  $\geq 90\%$   
**Supplied as:** A solid  
**Storage:**  $-20^{\circ}C$   
**Stability:**  $\geq 2$  years



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

### Laboratory Procedures

Raloxifene 6-glucuronide is supplied as a solid. A stock solution may be made by dissolving the raloxifene 6-glucuronide in the solvent of choice. Raloxifene 6-glucuronide is soluble in the organic solvent DMSO, which should be purged with an inert gas.

### Description

Raloxifene 6-glucuronide is a metabolite of the selective estrogen receptor modulator raloxifene (Item No. 10011620).<sup>1</sup> It is formed from raloxifene via the UDP-glucuronosyltransferase (UGT) isoforms UGT1A1 and UGT1A8. It binds to the estrogen receptor with an  $IC_{50}$  value of 290 nM.<sup>1,2</sup> Unlike raloxifene, raloxifene 6-glucuronide does not inhibit the voltage-gated potassium channel  $K_v4.3$ .<sup>3</sup>

### References

1. Sun, D., Jones, N.R., Manni, A., *et al.* Characterization of raloxifene glucuronidation: Potential role of UGT1A8 genotype on raloxifene metabolism *in vivo*. *Cancer Prev. Res. (Phila)*. **6(7)**, 719-730 (2013).
2. Kemp, D.C., Fan, P.W., and Stevens, J.C. Characterization of raloxifene glucuronidation *in vitro*: Contribution of intestinal metabolism to presystemic clearance. *Drug Metab. Dispos.* **30(6)**, 694-700 (2002).
3. Chae, Y.J., Kim, D.H., Lee, H.J., *et al.* Raloxifene inhibits cloned  $K_v4.3$  channels in an estrogen receptor-independent manner. *Pflugers Arch.* **467(8)**, 1663-1676 (2015).

#### 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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