



# 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

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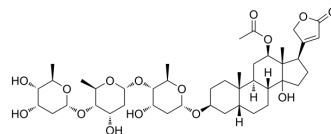
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## SC4453

Cat. No.:	HY-125337
CAS No.:	59712-21-9
Molecular Formula:	C <sub>43</sub> H <sub>66</sub> O <sub>15</sub>
Molecular Weight:	822.98
Target:	Na <sup>+</sup> /K <sup>+</sup> ATPase
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

SC4453 is a digoxin analogue in which the lactone ring at C17β is replaced by a pyrazine ring. SC4453 is slightly inferior to digoxin in inhibiting (Na<sup>+</sup> + K<sup>+</sup>)-ATPase, but shows similar sensitivity to potassium ions. The differences in the sensitivity of SC4453 to heart and brain tissue from different species are mainly due to differences in its dissociation rate from the receptor. These observations confirm the high sensitivity of the human heart to cardiac glycosides.

### REFERENCES

[1]. INHIBITION BY DIGOXIN AND SC4453 OF (Na<sup>+</sup> + K<sup>+</sup>)-ATPase PREPARED FROM HUMAN HEART, GUINEA-PIG HEART AND GUINEA-PIG BRAIN

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

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