



# 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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## Novo-TRX

**Catalog #:** 27500

**Lot #:** 120723

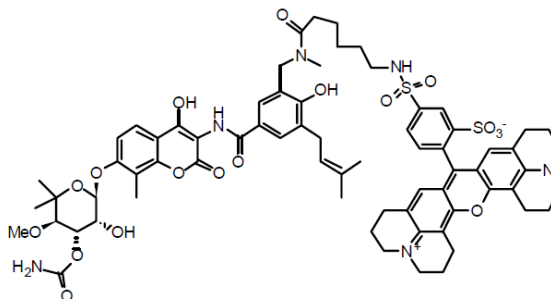
**Size:** 20  $\mu$ l

**Structure:**

**CAS Registry #:** 1476-53-5 (Novobiocin, sodium salt)

**Purity:**  $\geq$ 93.3%

**Chemical Formula:**  $C_{70}H_{80}N_6O_{18}S_2$



**Molecular Weight:** 1357.5

**Description:** Novobiocin is an aminocoumarin antibiotic that is produced by *Streptomyces niveus*. Along with other aminocoumarin antibiotics, novobiocin is a very potent inhibitor of bacterial DNA gyrase. It works by targeting the GyrB subunit of the enzyme involved in energy transduction. Novo-TRX is Texas Red-labeled novobiocin, which can be used as a fluorescence probe in assays for screening DNA gyrase inhibitors.

**Appearance:** A red aqueous solution

**Formulation:** Supplied as a 10  $\mu$ M solution in anhydrous DMSO

**Biological Activity:** Novo-TRX has been shown to inhibit bacterial DNA gyrase activity with an  $IC_{50}$  of 0.6  $\mu$ M.

**Storage/Stability:** Store at or below  $-20^{\circ}C$ .

**Quality Control:** The purity was determined by HPLC analysis.

### Reference(s):

1. Lamour V, *et al.*, *J Biol Chem.* 2002 May 24;**277(21)**:18947-53.
2. Glaser BT, *et al.*, *J Biomol Screen.* 2011 Feb;**16(2)**:230-8.