



# 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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## EX 527

**Catalog #:** 27103

**Lot #:** 111121

**Size:** 1 mg

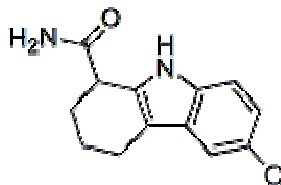
**Structure:**

**CAS Registry #:** 49843-98-3

**Purity:** >99%

**Chemical Formula:** C<sub>13</sub>H<sub>13</sub>ClN<sub>2</sub>O

**Molecular Weight:** 248.71



**Description:** EX 527 is a potent and selective SIRT1 class III histone deacetylase enzyme inhibitor. It is Selective inhibitor of SIRT1 that does not class I/II inhibit histone deacetylase (HDAC) or other sirtuin deacetylase family members. EX 527 has been used a powerful tool for studying the relationship between SIRT1 and cell regulation.

**Appearance:** White to beige powder.

**Solubility:** Soluble in DMSO.

**Biological Activity:** EX-527 inhibits SIRT1 class III histone deacetylase enzyme inhibitor with an IC<sub>50</sub> of 38 nM. IC<sub>50</sub> values are 98 nM, 19.6 μM, 48.7 μM, >100 μM and > 100 μM for SIRT1, SIRT2, SIRT3, HDAC and NADase respectively.

**Storage/Stability:** Store at or below -20°C.

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

### Reference(s):

1. Solomon, JM *et al. Mol Cell Biol.* 2006 Jan;**26(1)**:28-38
2. Huhtiniemi, T *et al. J Med Chem.* 2008 Aug 14;**51(15)**:4377-80