

# Strontium Ranelate

Catalog No: tcsc1125



## Available Sizes

**Size:** 100mg

**Size:** 500mg



## Specifications

**CAS No:**

135459-87-9

**Formula:**

$C_{12}H_6N_2O_8SSr_2$

**Pathway:**

GPCR/G Protein

**Target:**

CaSR

**Purity / Grade:**

>98%

**Solubility:**

DMSO :

**Alternative Names:**

Distrontium renelate;S12911

**Observed Molecular Weight:**

513.49

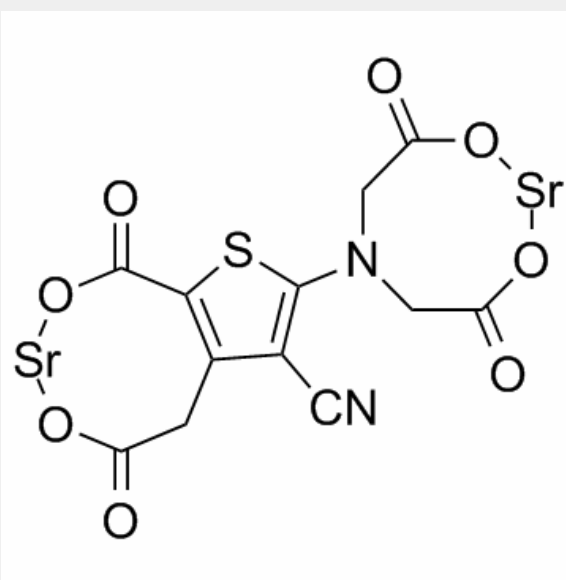
## Product Description

Strontium ranelate(S12911) stimulates the calcium sensing receptors (CaSR) and leads to the differentiation of pre-osteoblast to osteoblast which increases the bone formation.

IC50 value:

Target: CaSR

Strontium Ranelate is a bone metabolism modulator that inhibits bone resorption while maintaining bone formation. Strontium Ranelate acts by increasing bone formation and decreasing bone resorption, thus rebalancing bone turnover in favour of bone formation, an effect that results in increased bone mass and strength. Commonly used as an antiosteoporotic. Strontium Ranelate has shown efficacy in preventing early postmenopausal bone loss and reducing the risk of hip fracture in women with postmenopausal osteoporosis.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!