Web: www.taiclone.com
Tel: +886-2-2735-9682
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# SAR7334 (hydrochloride)

## Catalog No: tcsc2104

### Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg

### Specifications

**CAS No:**
1333207-63-8

**Formula:**
$C_{21}H_{24}Cl_3N_3O$

**Pathway:**
Membrane Transporter/Ion Channel

**Target:**
TRP Channel

**Purity / Grade:**
>98%

**Solubility:**
10 mM in DMSO

**Observed Molecular Weight:**
440.79

## Product Description

SAR7334 hydrochloride is a potent and specific **TRPC6** inhibitor, inhibiting TRPC6 currents with **$IC_{50}$** of 7.9 nM.

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IC50 & Target: IC50: 7.9 nM (TRPC6 currents)[3]

***In Vitro:*** SAR7334 inhibits TRPC6, TRPC3 and TRPC7-mediated $Ca^{2+}$ influx into cells with $IC_{50}$s of 9.5, 282 and 226 nM[1][2][3], whereas TRPC4 and TRPC5-mediated $Ca^{2+}$ entry is not affected. SAR7334 (1 μM) results in a major block of the Ang II-evoked calcium influx in the podocytes[1]. SAR7334 (1 μM) has negligible effect on SOCE[2]. SAR7334 dose-dependently reduces TRPC6 currents with an $IC_{50}$ of 7.9 nM. SAR7334 (100 nM) substantially reduces TRPC6 currents[3].

***In Vivo:*** SAR7334 (10 mg/kg, p.o.) suppresses TRPC6-dependent acute HPV in isolated perfused lungs from mice. SAR7334 demonstrates that it is suitable for chronic oral administration. In an initial short-term study, SAR7334 does not change mean arterial pressure in spontaneously hypertensive rats (SHR)[3].