Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Soraprazan

Catalog No: tcsc7621

Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Size: 100mg

Specifications

CAS No:
261944-46-1

Formula:
$C_{21}H_{25}N_3O_3$

Pathway:
Membrane Transporter/Ion Channel

Target:
Proton Pump

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 150 mg/mL (408.23 mM)

Alternative Names:
BYK61359

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Observed Molecular Weight:
367.44

Product Description

Soraprazan is a reversible, and fast-acting inhibitor of gastric **H^+/K^+ ATPase**.

In Vitro: Soraprazan is a potent inhibitor of gastric H,K-ATPase, with an IC_{50} of 0.1 μM when measured in ion-leaky vesicles in the presence of 1 mM potassium. Soraprazan also effectively inhibits dibutyryl cAMP-stimulated [^{14}C]AP accumulation in isolated gastric glands with an IC_{50} of 0.19 μM (0.09-0.40 μM geometric mean from n=6 with 95% confidence limits). In ion-leaky vesicles, soraprazan is a potent k-competitive inhibitor of the H,K-ATPase, with K_i of 6.4 nM. Soraprazan binds to the H,K-ATPase in ion-leaky vesicles with a K_d of 26.4 nM and a Bmax of 2.89 nmol/mg[1].