

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

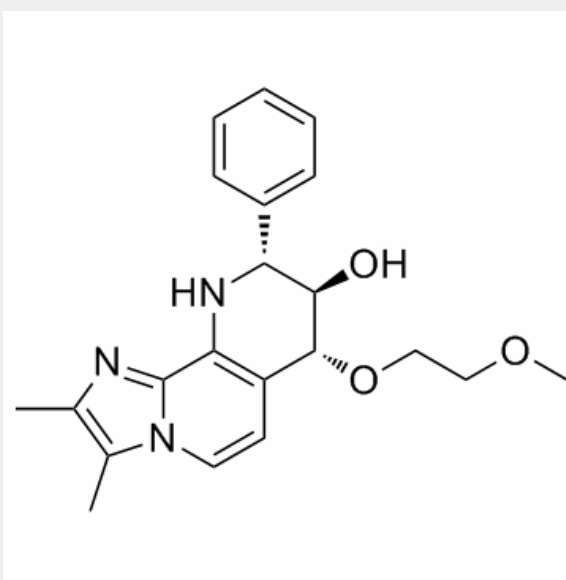
Observed Molecular Weight:

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 IC₅₀ of 0.1 μM when measured in ion-leaky vesicles in the presence of 1 mM potassium. Soraprazan also effectively inhibits dibutyryl cAMP-stimulated [¹⁴C]AP accumulation in isolated gastric glands with an IC₅₀ 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].



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