Web: www.taiclone.com
Tel: +886-2-2735-9682
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Bisacodyl

Catalog No: tcsc2667

Available Sizes

Size: 5g

Specifications

CAS No:
603-50-9

Formula:
$C_{22}H_{19}NO_4$

Pathway:
Others

Target:
Others

Purity / Grade:
>98%

Solubility:
H2O :

Observed Molecular Weight:
361.39

Product Description

Bisacodyl is a stimulant laxative drug that works directly on the colon to produce a bowel movement.

Target: Others

Bisacodyl is an organic compound that is used as a stimulant laxative drug. Bisacodyl (20 mg/kg) results in a decrease in AQP3 protein expression and increased mRNA expression level of TNF-α in the colon of rats [1]. Bisacodyl inhibits water absorption in rat jejunum, ileum, and colon, the degree of inhibition is linearly related to the logarithm of the bisacodyl concentration over the range of 0.05 mg to 2.0 mg per 100 mL [2]. Bisacodyl (10 mg/kg, intragastrically) induces a significant decrease in jejunal NOS activity in

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rats. Bisacodyl (10 mg/kg, intragastrically) increases the distance traveled by the marker in all time periods [3]. Bisacodyl (5.9 mg/kg) decreases significantly jejunal and colonic (Na + K) ATPase activity as compared to saline-treated rats. Bisacodyl (5.9 mg/kg) increases significantly jejunal and colonic PGE2 content and stimulates jejunal and colonic adenyl cyclase activity as compared to those in control rats without affecting cAMP content [4]. Bisacodyl (4.3 mg/kg) coupled with AOM increases the number of crypt per focus, but not the number of tumors in rats. Bisacodyl (43 mg/kg) significantly increases the number of crypt per focus and tumors in rats [5].