Bisacodyl is a diphenylmethane derivative that exhibits gastrointestinal motility modulating (laxative) activity. Bisacodyl activates macrophages, activating PKC, increasing PGE2 secretion, and downregulating expression of aquaporin 3 channels; it may also inhibit the Na+/K+ ATPase. As a result of these actions, colonic fluid and NaCl secretion is increased. Bisacodyl also stimulates enteric nerves, increasing contractions.

References
Ikarashi N, Baba K, Ushiki T, et al. The laxative effect of bisacodyl is attributable to decreased aquaporin-3 expression in the colon induced by increased PGE2 secretion from macrophages. Am J Physiol Gastrointest Liver Physiol. 2011 Nov;301(5):G887-95. PMID: 21868635.


Caution: This product is intended for laboratory and research use only. It is not for human or drug use.