

## Product Information

### Bisacodyl, Purity $\geq 98\%$

**Cat. No.:** X24-09-YM1328

**Size:** 500 mg; 1 g; 2 g; 5 g

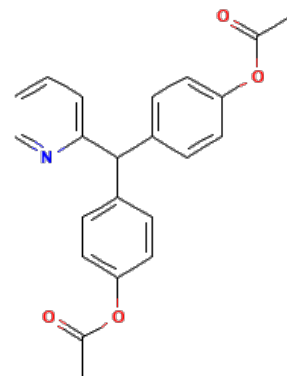
**MDL:** MFCD00038039

**CAS Number:** 603-50-9

**Compound CID:** 2391

**Synonym:** 603-50-9; Dulcolax; Bicol; Theralax; Sk-bisacodyl; Brocalax; Durolox; Fenilaxan; Sanvacual; Dulcolan; Endokolat; Hillcolax; Stadalax; Eulaxan; Godalax; Ivilax; Laxadin; Laxans; Laxine; Laxorex; Neolax; Nigalax; Pyrilax; Telemin; Zetrax; Laxanin N; [4-[(4-Acetyloxyphenyl)-pyridin-2-ylmethyl]phenyl] acetate

**This product is for research use only and is not intended for diagnostic use.**



### Product Information

<b>Description</b>	Bisacodyl, soluble in DMSO and insoluble in water and ethanol, is a stimulant laxative agent. The molecular weight of the compound is 361.39, and its molecular formula is C <sub>22</sub> H <sub>19</sub> NO <sub>4</sub> .
<b>Molecular Weight</b>	361.39
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>19</sub> NO <sub>4</sub>
<b>IUPAC Name</b>	[4-[(4-Acetyloxyphenyl)-pyridin-2-ylmethyl]phenyl] acetate
<b>InChI</b>	InChI=1S/C22H19NO4/c1-15(24)26-19-10-6-17(7-11-19)22(21-5-3-4-14-23-21)18-8-12-20(13-9-18)27-16(2)25/h3-14,22H,1-2H3
<b>InChI Key</b>	KHOITXIGCFIULA-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC(=O)OC1=CC=C(C=C1)C(C2=CC=C(C=C2)OC(=O)C)C3=CC=CC=N3
<b>Isomeric SMILES</b>	CCCCCCC/C=C\C(=O)O
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Impurities</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
<b>Solubility</b>	<i>In vitro</i> : DMSO: 71 mg/mL (196.46 mM); Water: insoluble; Ethanol: insoluble
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade



**Applications**

Bisacodyl plays a key role in inhibiting the absorption of water in the intestines and stimulating peristalsis.

---

**Storage**

Store at -20°C, and keep desiccated.

---