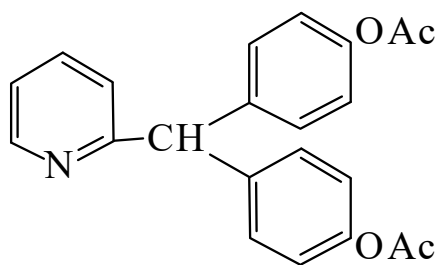




>>**Entry Name:** Bisacodyl, BAN, INN, USAN

Synonym(s): 4,4'-(2-Pyridinylmethylene)bisphenol diacetate, 9Cl. 4,4'-(2-Pyridylmethylene)diphenol diacetate, 8Cl. 2-[Bis(4-acetoxyphenyl)methyl]pyridine. Acetphenolpicoline. Eufrecton. Many other names



CAS Registry Number: 603-50-9

Molecular Formula: C₂₂H₁₉NO₄

Molecular Weight: 361.396

Accurate Mass: 361.131409

Percentage Composition: C 73.12%; H 5.30%; N 3.88%; O 17.71%

Use/Importance: Laxative, cathartic

Melting Point: Mp 138°

Solubility: Sol. acids, EtOH, Me₂CO

Calculated Log P Data: Log P 2.85 (calc)

Other Data: Often employed as water-sol. tannic acid complex (Bisacodyl tannex, USAN, Clysodrast)

Hazard & Toxicity: LD₅₀ (rat, orl) 4320 mg/kg

Sigma: B1390

>>**Derivative:** Compd. with tannic acid

Synonym(s): Bisacodyl tannex, USAN. Clysodrast

CAS Registry Number: 1336-29-4

Biological Use/Importance: Laxative

References:

- Schmidt, L. *et al.*, *Arzneim.-Forsch.*, 1953, **3**, 19; 1956, **6**, 22, (*pharmacol*)
Schultz, O.E. *et al.*, *Arch. Pharm. (Weinheim, Ger.)*, 1955, **288**, 234, (*synth, pharmacol*)
Rubinstein, K. *et al.*, *Acta Chem. Scand.*, 1958, **12**, 1274, (*synth*)
Bruzzeze, T. *et al.*, *Farmaco, Ed. Sci.*, 1973, **28**, 121, (*props*)
Sund, R.B., *Norv. Pharm. Acta*, 1983, **45**, 125, (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., Akademie-Verlag, 1987, 6443
Martindale, *The Extra Pharmacopoeia*, 31st edn., Pharmaceutical Press, 1996, 1205-1206