

Product Data Sheet

Product Name: Desacetyl Bisacodyl

Cat. No.: GC43412

Chemical Properties

Cas. No. 603-41-8

SMILES OC(C=C1)=CC=C1C(C2=CC=CC=N2)C3=CC=C(O)C=C3

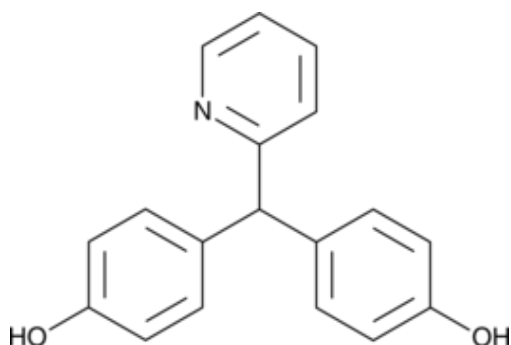
Formula C₁₈H₁₅NO₂ M.Wt 277.3

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, DMSO:PBS (pH 7.2)(1:8): 0.11 mg/ml, Ethanol: 2.5 mg/ml
Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Desacetyl bisacodyl (DAB) is an active metabolite of two stimulant laxatives, bisacodyl and sodium picosulfate. DAB evokes several effects at the colon or rectum, including increased mucus and chloride secretion. Oral administration of bisacodyl leads to decreased expression of aquaporin-3 in the colon of rats. The effects of both DAB and bisacodyl can be blocked with cyclooxygenase (COX) inhibitors, suggesting that products of the COX signaling pathway contribute to laxative effects.

Caution: Product has not been fully validated for medical applications. For research use only.

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