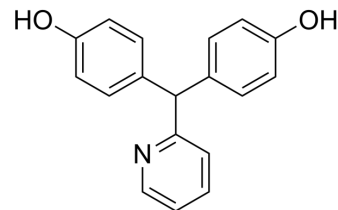


## Desacetyl bisacodyl

Cat. No.:	HY-131637
CAS No.:	603-41-8
Molecular Formula:	C <sub>18</sub> H <sub>15</sub> NO <sub>2</sub>
Molecular Weight:	277.32
Target:	Others
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (360.59 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.6059 mL	18.0297 mL	36.0594 mL
		5 mM	0.7212 mL	3.6059 mL	7.2119 mL
	10 mM	0.3606 mL	1.8030 mL	3.6059 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (9.01 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.01 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.01 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	Desacetyl bisacodyl is the active metabolite of the laxative bisacodyl. Desacetyl bisacodyl induces epithelial Cl <sup>-</sup> secretion in rat colon and rectum. Desacetyl bisacodyl evokes several effects at the colon or rectum, including increased mucus and chloride secretion <sup>[1]</sup> .
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### REFERENCES

[1]. Fujita T, et, al. Desacetyl bisacodyl-induced epithelial Cl<sup>-</sup> secretion in rat colon and rectum. Biomed Res. 2016;37(1):13-20.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA