



## Product Information

**Product ID** C5645

**CAS No.** 64-86-8

**Chemical Name** N-[(7S)-5,6,7,9-Tetrahydro-1,10,3,10-tetramethoxy-9-oxobenzo[a]heptalen-7-yl]acetamide

**Synonym**

**Formula** C<sub>22</sub>H<sub>25</sub>NO<sub>6</sub>

**Formula Wt.** 399.44

**Melting Point** 142-150 °C

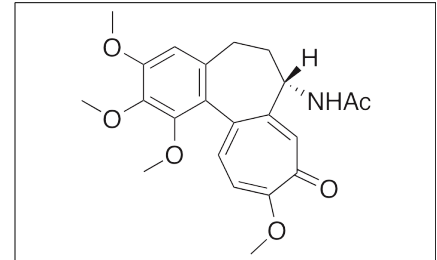
**Purity** ≥97%

**Solubility** Soluble in water (40 mg/mL), ethanol (7 mg/ml), DMSO (14 mg/ml), or chloroform. Insoluble in petr. ether.

**Store Temp** 4 °C

**Ship Temp** Ambient

**Description** Colchicine is an anti-inflammatory anti-mitotic compound originally found in *Colchicum*; it is clinically used to treat gout. Colchicine binds tubulin and inhibits microtubule polymerization, inhibiting inflammasome activation, cytokine generation, and chemotaxis. Colchicine inhibits neutrophil motility. The anticancer potential of colchicine is limited by its high toxicity.



**Bulk quantities available upon request**

Product ID	Size
C5645	500 mg
C5645	1 g

**References** Dalbeth N, Lauterio TJ, Wolfe HR. Mechanism of Action of Colchicine in the Treatment of Gout. Clin Ther. 2014 Aug 21. [Epub ahead of print]. PMID: 25151572.

Ching JK, Ju JS, Pittman SK, et al. Increased autophagy accelerates colchicine-induced muscle toxicity. Autophagy. 2013 Dec;9(12):2115-25. PMID: 24184927.

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