



Product Information

Product ID D1749

CAS No. 477-30-5

Chemical Name 6,7-Dihydro-1,2,3,10-tetramethoxy-7-(methylamino)-benzo[a]heptalen-9(5H)-one

Synonym N-methyl-N-desacetylcolchicine, Colcemid, Omaine

Formula C₂₁H₂₅NO₅

Formula Wt. 371.43

Melting Point 186 °C

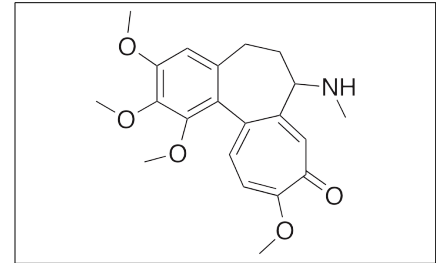
Purity ≥97%

Solubility Soluble in alcohol, ether, chloroform, benzene or acidified water.

Store Temp 4 °C

Ship Temp Ambient

Description Demecolcine binds tubulin and induces microtubule depolymerization and prevents polymerization. Demecolcine forces ejection of the nucleus and is used in research models studying embryonic cloning.



Bulk quantities available upon request

Product ID	Size
D1749	1 mg
D1749	5 mg
D1749	10 mg
D1749	50 mg

References Yang H, Ganguly A, Cabral F. Inhibition of cell migration and cell division correlates with distinct effects of microtubule inhibiting drugs. *J Biol Chem.* 2010 Oct 15;285(42):32242-50. PMID: 20696757.

Lan GC, Wu YG, Han D, et al. Demecolcine-assisted enucleation of goat oocytes: protocol optimization, mechanism investigation, and application to improve the developmental potential of cloned embryos. *Cloning Stem Cells.* 2008 Jun;10(2):189-202. PMID: 18373477.

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