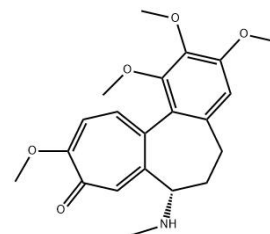


Technical Data Sheet

DEMECOLCINE

Compound Information

Product Name:	DEMECOLCINE
CAS No.:	477-30-5
Molecular Formula:	C ₂₁ H ₂₅ NO ₅
Molecular Weight:	371.43
Storage:	Powder -20°C 3 years; 4°C 2 years In solvent -80°C 6 months; -20°C 1 month
Revision Date:	2026-04-15



Analytical Information

Tests	Specifications
Description	Colcemid (Demecolcine) is an effective mitotic inhibitor. Colcemid binds tubulin and blocks cells for metaphase karyotype analysis. Colcemid can induce apoptosis and can be used in tumor research.
Form	powder
Color	White to off-white
Solubility	DMSO: 10 mg/mL
Purity (LCMS)	Area % at 225 nm bandwidth 50 nm ≥ 95%
1H NMR	Pass test

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.