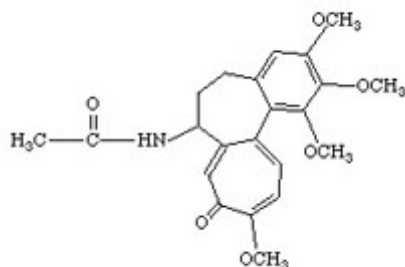


Product Information Sheet

C226 Colchicine



Synonym: N-[(7S)-5,6,7,9-Tetrahydro-1,2,3,10-tetramethoxy-9-oxobenzo[a]heptalen-7-yl]acetamide

CAS: 64-86-8

Formula: C₂₂H₂₅NO₆

Molecular Wt: 399.44

Properties

Form: Powder

Appearance: Off-white to Yellow

Application: Mutagen

Solubility: Water

Typical Working Concentration: Varies with application, should be determined by end user.

Storage Temp: Room Temperature

Storage Temp of Stock Solution: 2-6°C

Other Notes: Plant Tissue Culture Tested

Application Notes

This product is commonly used to double chromosomes.

λ_{max}: 350.5 nm, 243 nm (Merck).

References

Andreu, J. M., & Timasheff, S. N., (1982) Tubulin bound to colchicine forms polymers different from microtubules. *Proc. Natl. Acad. Sci. USA*, 79, 6753-6756.

Arai, T., and Okuyama, T., (1975) Fluorometric assay of tubulin-colchicine complex. *Anal. Biochem.*, 69, 443-450.

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Wilson, L & Friedkin, M, (1966) The biochemical events of mitosis. I. Synthesis and properties of colchicine labeled with tritium in its acetyl moiety. *Biochemistry*, 5, 2463-2468.

India Contact

Life Technologies (India) Pvt Ltd.

306, Agarwal City Mall, Road 44, Pitampura, Delhi - 110034 (India)

Tel: +91-11-4220-8000; 4220-8111; 4220-8222 Fax: +91-11-4220-8444, Mobile: +91-98105-21400

Email - customerservice@lifetechindia.com | customerservice@atzlabs.com