



Formula: C₂₁H₂₅NO₅

MW: 371.43

CAS: 477-30-5

TNP NUMBER: TNP00275

MDL NUMBER: MFCD00778686

IUPAC: (7S)-1,2,3,10-tetramethoxy-7-(methylamino)-5,6,7-trihydrobenzo[a]heptalen-9-one

Smiles: c12c(cc(=O)c(cc2)OC)[C@H](CCc2c1c(c(OC)c(c2)OC)OC)NC

Isol from *Colchicum Autumnale*; Liliaceae

THERAPEUTIC CATEGORY: Antineoplastic

REFERENCE: Merck 13, 2906 Belisario JC. Topical cytotoxic therapy for cutaneous cancer and precancer. Arch Dermatol. 1965 Sep;92(3):293-302; discussion 302-3

SOURCE: from *Colchicum autumnale* L., Liliaceae

ACCEPTORS: 5

DONORS: 1

ROTATION BONDS: 4

N+O: 6

Chiral Centers: 1

LogP: 3.32

LogS: -4.61

LIPINSKI: 4

Synonyms:

N-DEACETYL-N-METHYLCOLCHICINE;N-DESACETYL-N-METHYLCOLCHICINE;N-METHYL-N-DEACETYL-COLCHICINE;COLCEMID;COLCEMIDE(R);COLCEMID(R);COLCHAMINE;DEMECOLCIN

CAS:477-30-5

MF:C21H25NO5

MW:371.43

EINECS:207-514-6

Product Categories:All Inhibitors;Inhibitors DEMECOLCINE

Chemical Properties: mp 73-75C storage temp. 2-8C solubility DMSO: 10 mg/mL form powder T,T+ Risk Statements 25-26/27/28 Safety Statements 22-24/25-45-36/37/39 RIDADR UN 2811 6.1/PG 2 WGK Germany 3 RTECS GH0800000 F 8-10-23 HazardClass 6.1(a) PackingGroup II DEMECOLCINE

Usage And Synthesis:

Chemical Properties: Faintly Yellow Crystalline Powder UsageAn antimetabolic agent that disrupts microtubules by binding to tubulin and preventing its polymerization. Stimulates the intrinsic GTPase activity of tubulin. Induces apoptosis in several normal and tumor cell lines and activates the JNK/SAPK signal DEMECOLCINE

