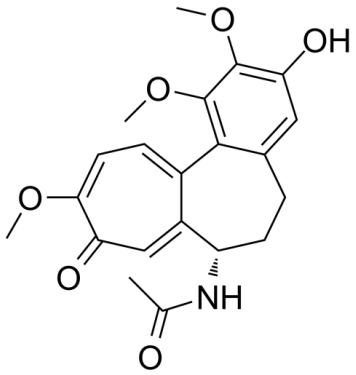
Data Sheet

Product Name:	3-Demethylcolchicine
Cat. No.:	CS-0039884
CAS No.:	7336-33-6
Molecular Formula:	$C_{21}H_{23}NO_6$
Molecular Weight:	385.41
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Solubility:	DMSO : 100 mg/mL (259.46 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

3-Demethylcolchicine, a colchicine metabolite, possesses a hydroxy-group on its carbon ring that could participate in radical scavenging and markedly inhibits the carrageenin edema[1][2].

References:

[1]. Modriansky M, et al. Anti-/pro-oxidant effects of phenolic compounds in cells: are colchicine metabolites chain-breaking antioxidants?. Toxicology. 2002;177(1):105-117.

[2]. Sugio K, et al. Separation of tubulin-binding and anti-inflammatory activity in colchicine analogs and congeners. Life Sci. 1987;40(1):35-39.

CAIndexNames:

Acetamide, N-[(7S)-5,6,7,9-tetrahydro-3-hydroxy-1,2,10-trimethoxy-9-oxobenzo[a]heptalen-7-yl]-

SMILES:

CC(N[C@H](C1=C2)CCC3=CC(O)=C(OC)C(OC)=C3C1=CC=C(OC)C2=O)=O

Caution: Product has not been fully validated for medical applications. For research use only.

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