

Product Datasheet

Colchicine (orb1310726)

Catalog Number	orb1310726
Category	Small Molecules
Description	Colchicine is a potent natural alkaloid that inhibits microtubule polymerization (IC50 = 3 nM) and acts as a competitive glycine receptor antagonist. It is widely used in research for its anti-inflammatory and immunosuppressive properties, applied in studies of gout, rheumatoid arthritis, Alzheimer's disease models, and NLRP3 inflammasome-related pathologies in both cellular and animal studies.
Target	Cytoskeleton
Form/Appearance	powder
Purity	>98%
MW	399.45
Biological Activity	Microtubule depolymerizing agent
Target Areas	Apoptosis Autophagy Microtubule Associated
Solubility (25°C)	Soluble in DMSO (up to 25 mg/ml), in Water (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml).
CAS Number	64-86-8
Formula	C ₂₂ H ₂₅ NO ₆
SMILES	<chem>COC1=C(OC)C(OC)=C2C(CCC(NC(C)=O)C3=CC(=O)C(OC)=CC=C23)=C1</chem>
Chemical Name	(S)-N-(5,6,7,9-Tetrahydro-1,2,3,10-tetramethoxy-9-oxobenzo[a]heptalen-7-yl)acetamide
Storage	RT

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Note For research use only

Expiration Date 12 months from date of receipt.

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