

Product Datasheet

GP2091 - Colchicine, USP grade

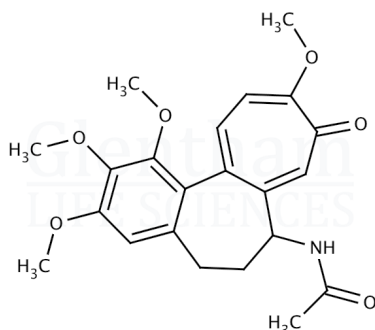
UN Number, Class, PG UN1544 - 6.1 - PG II
(RID)

Product Details

Product Name Colchicine, USP grade
Glentham Code GP2091
CAS Number 64-86-8
EINECS 200-598-5
Related Categories Phytochemicals, Alkaloids

Structure

Molecular Weight : 399.44
Molecular Formula : $C_{22}H_{25}NO_6$



Storage

Recommended storage temperature: +4°C.

Hazards and Transport

CLP Classification Acute Tox. 1, Acute Tox. 2,
Muta. 1B, Eye Dam. 1
Signal Word Danger
Hazard Codes H330, H300, H340, H318
Precautionary Codes P304+P340, P403+P233,
P280, P305+P351+P338,
P308+P313, P301+P310

Pictograms



Glentham Product Specification

Physical Description : White to yellow powder
Identification (IR) : To conform to standard
Assay (HPLC) : 94.0 - 101.0 % (anhydrous, solvent free)
Ethyl Acetate : ≤ 8.0%
Residual Solvents : To meet requirements
Specific Optical Rotation : -250.0 - -240.0 ° (c=1, alcohol)
Pharmacopoeia Specification(s) : USP
Colchicine : To pass tests
Chromatographic Purity : ≤ 5.0%
Water (KF) : ≤ 2.0%
Version : v1.0

About Colchicine, USP grade

Colchicine is a plant-derived alkaloid with anti-inflammatory and antimetabolic properties. It disrupts microtubule polymerization by binding to tubulin and can induce apoptosis in certain cell lines. Colchicine is used in the treatment of inflammatory diseases, but due to its antimetabolic properties, there is also interest in its potential as an anticancer drug.

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