



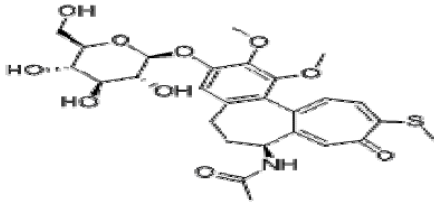
HANGZHOU DINGYAN CHEM CO.,LTD

TEL: 86-571-87157530,86465881,88025800, FAX:86-571-87156470

E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

CERTIFICATE OF ANALYSIS

NO: **DYC081611185**

Product name	Thiocolchicoside
CAS Number	602-41-5
Molecule Structure	
Molecule Formula	C ₂₇ H ₃₃ N ₀ O ₁₀ S
Batch number	20161010
Manuf. & Exp. Date	2016-10-10, 2019-10-09
Testing Date	2016-10-10

Items	Standard	Result
Appearance	A yellow crystalline Powder	Conforms
Assay	Between 98.0% and 102%	99.6%
Identification	UV, IR, TLC	Conforms
Particle size	100% pass through 120 mesh sieve	Conforms
Solubility	Soluble in water, slightly soluble in alcohol, insoluble in ether and acetone	Conforms
PH(0.5% w/c solution in water)	Between 6.0 and 7.5	6.50
Specific absorbance (0.003% solution in water at 375 nm)	Between 315 and 345 (on dried basis)	319.0
Specific optical rotation (0.5% solution at 23°C in water)	-550°C to -580°C (on dried basis)	-562.69°C
Loss on drying	≤4.0%	2.20%
Moisture content (By KF)	≤3.0%	1.85%
Sulphated Ash	≤0.1%	0.07%
Related substance. Colchicine Other impurities	≤0.5% Not more than 2 number, neither of them is not more intense to 0.5%	Less than 0.5% Less than 2 and more of impurity is more intense to 0.5%
Potential impurities	N-deacetyl N-fomyl Colchicoside: ≤0.5%	ND 0.24%

Add: Xiasha 571, 19TH Street E-COMMERCE 4A601-602, Jiangnan Area, Hangzhou, China

**HANGZHOU DINGYAN CHEM CO.,LTD**

TEL: 86-571-87157530,86465881,88025800, FAX:86-571-87156470

E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

	Colchicoside $\leq 0.5\%$ Colchicine $\leq 0.5\%$ Total unknown impurities $\leq 0.5\%$	0.33% 0.27%
Residual solvent	Chloroform $\leq 60\text{ppm}$ Methanol $\leq 3000\text{ppm}$ Ethanol $\leq 5000\text{ppm}$	48ppm 1113ppm 1606ppm
Bacterial Endotoxin	87.5EU/mg max	Conforms
Aerobic bacterial count	$\leq 1,000$ cfu/g	Conforms
Total Yeast & Mold	≤ 100 cfu/g	Conforms
Escherichia coli	Negative	Conforms
Salmonella	Negative	Conforms
Staphylococcus aureus	Negative	Conforms
Pseudomonas aeruginosa Enterobacteriaceae	Negative	Conforms

Hangzhou Dingyan Chem Co., Ltd.
Quality Control
QUALITY CONTROL: *Pals* CHECK: 姚仙娟 INSPECTOR: 刘清风