



## SPECIFICATION

### Thiocolchicoside

Product Code:	FT11735
CAS Number:	602-41-5
Chemical Formula:	$C_{27}H_{33}NO_{10}S$
Molecular Weight:	563.62

## TECHNICAL SPECIFICATION

Appearance:	Yellow crystalline powder
Assay HPLC (on dry basis):	98-102%
Loss on drying:	< 4%
Solubility:	Soluble in water, slightly soluble in alcohol, insoluble in ether and acetone
Bacterial endotoxin:	< 87.5Eu/mg
Chloroform:	< 600ppm
Colchicine:	< 0.5%
Colchicoside:	< 0.5%
E. coli:	Not detected
Enterobacteriaceae:	< 100cfu/g
Ethanol:	< 5000ppm
Identification UV, IR & TLC:	Conforms to structure
Methanol:	< 3000ppm
Microbial limits Total plate count:	< 1000cfu/g
Microbial limits Yeast & Mold:	< 100cfu/g
N-Deacetyl-N-Fomyl Thiocolchioside:	< 0.5%
Other Impurities:	< 1%
PH:	6.0 ~ 7.5
Pseudomonas:	Not detected
Salmonella:	Not detected

# Carbosynth



Specific absorbance:	315 ~ 345
Specific rotation:	- 550 ~ -580°
Staphylococcus Aureus:	Not detected
Sulphated ash:	< 0.1%
Water content KF:	< 3%