

THIOLCHICOSIDE

Thiocolchicoside is a semi synthetic sulphur derivative of colchicoside extracted from the seeds of *Gloriosa superba* plant.



CAS No. : 602-41-5
Chemical Formula : $C_{27}H_{33}NO_{10}S$
Molecular Formula : 563.618 g/mole

Benefits:

Thiocolchicoside is used clinically for its muscle relaxant, anti-inflammatory and analgesic properties. It is used in the symptomatic treatment of painful muscle spasm.

PARAMETERS	SPECIFICATIONS
Description	A yellow crystalline powder
Solubility	Soluble in water, slightly soluble in alcohol, insoluble in ether and acetone.
pH (0.5% w/v solution in water)	Between 6.0 and 7.5
Specific Optical Rotation	-550° to -580°
Suophted Ash	Not more than 0.1%
Loss on Drying (At 105°C for 3 hours)	Not more than 4.0%
Assay (By HPLC)	Between 98.0% and 102% (on dried basis)
Microbial contamination Total microbial count Total yeast and mould count Escherichia coil Salmonella Staphylococcus aureus Pseudomonas aeruginosa Enterobacteriaceae Bacterial Endotoxin	Not more than 1000 cfu/gm Not more than 100 cfu/gm Absent /gm Absent /gm Absent /gm Absent /gm Absent /gm Absent /gm Not more than 87.5 EU/mg

THIOLCHICOSIDE CAN BE SUPPLIED AS PER IP / FP / EP



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