

OTHER INGREDIENTS

- Andrographolide Extract 95%
- AKBA
- Boswellia serrata Extract (50%-85%)
- Boswellia Oil (Indian frankincense Oil)
- Coleus Extract
- Dipotassium Glycyrrhizinate (DPG)
- DeGlycyrrhizinated Licorice (DGL)
- Enoxolone (EP)
- Gymnemma Extract
- Green Coffee Bean Extract
- Glabridin 10%- 98%
- Horse Chestnut Extract
- Licorice Extract (10-25%)
- Lutein
- Mono Ammonium Glycyrrhizinate (MAG) – EP/BP/USP
- Natural Caffeine
- Senna Dry Extract 20%, 60% & 90%
- Stearyl Glycyrrhetinate
- Yohimbine Hydrochloride



Subsidiary of Sanat Products Ltd.

Group Corporate Office:

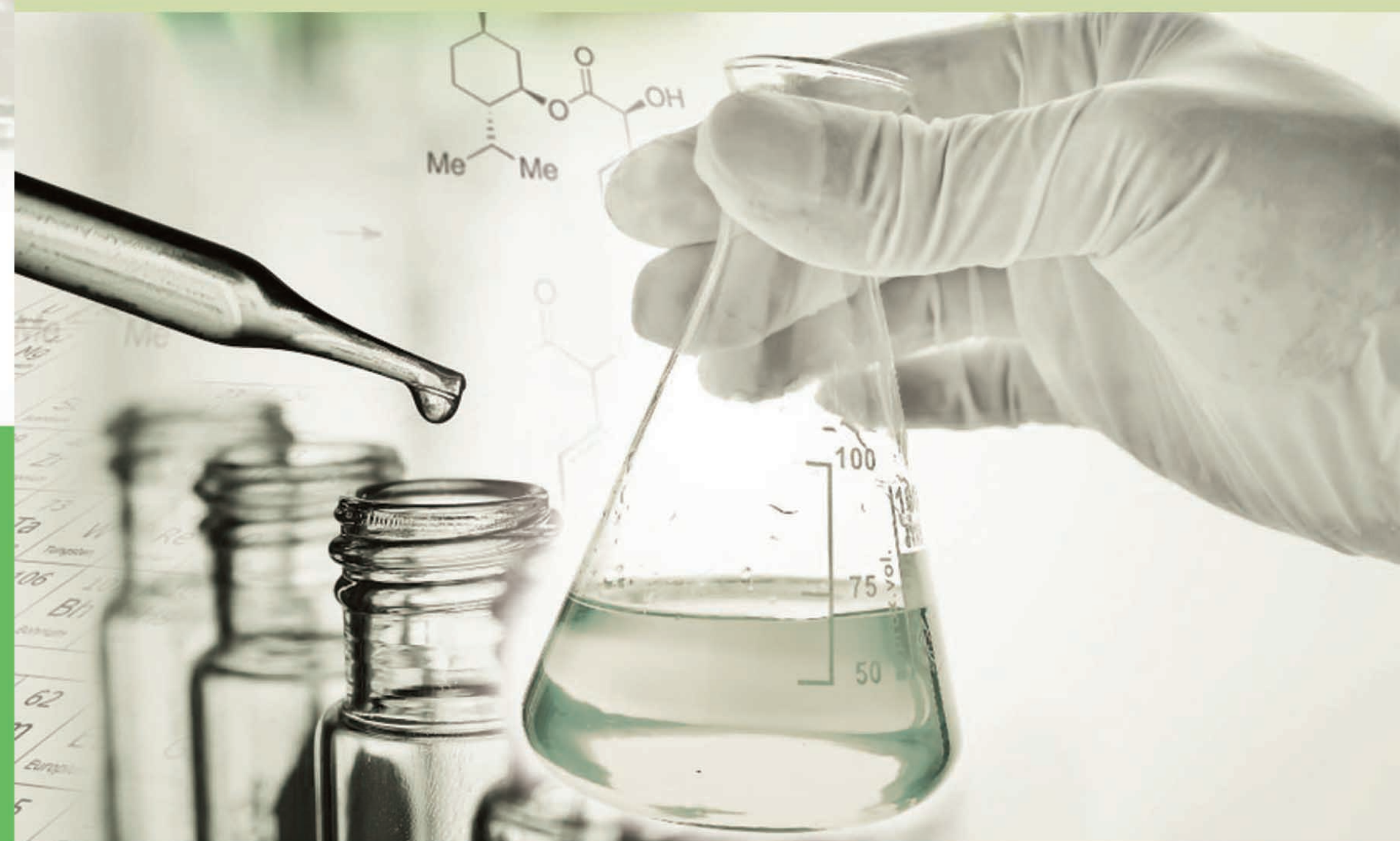
IIIrd floor, Sagar Plaza, Distt. Center,
Laxmi Nagar, Vikas Marg, Delhi - 110092, India.
Tel: +91-11-2251 8794-96, 2205 0535-37

Factory:

Plot no. 51-53, Sector 31B,
IMT, Rohtak - 124001, Haryana, India
Email: info@hindustanherbals.org
Website: www.hindustanherbals.org



Leading Manufacturer of
Herbal Extracts and **Phytochemicals**



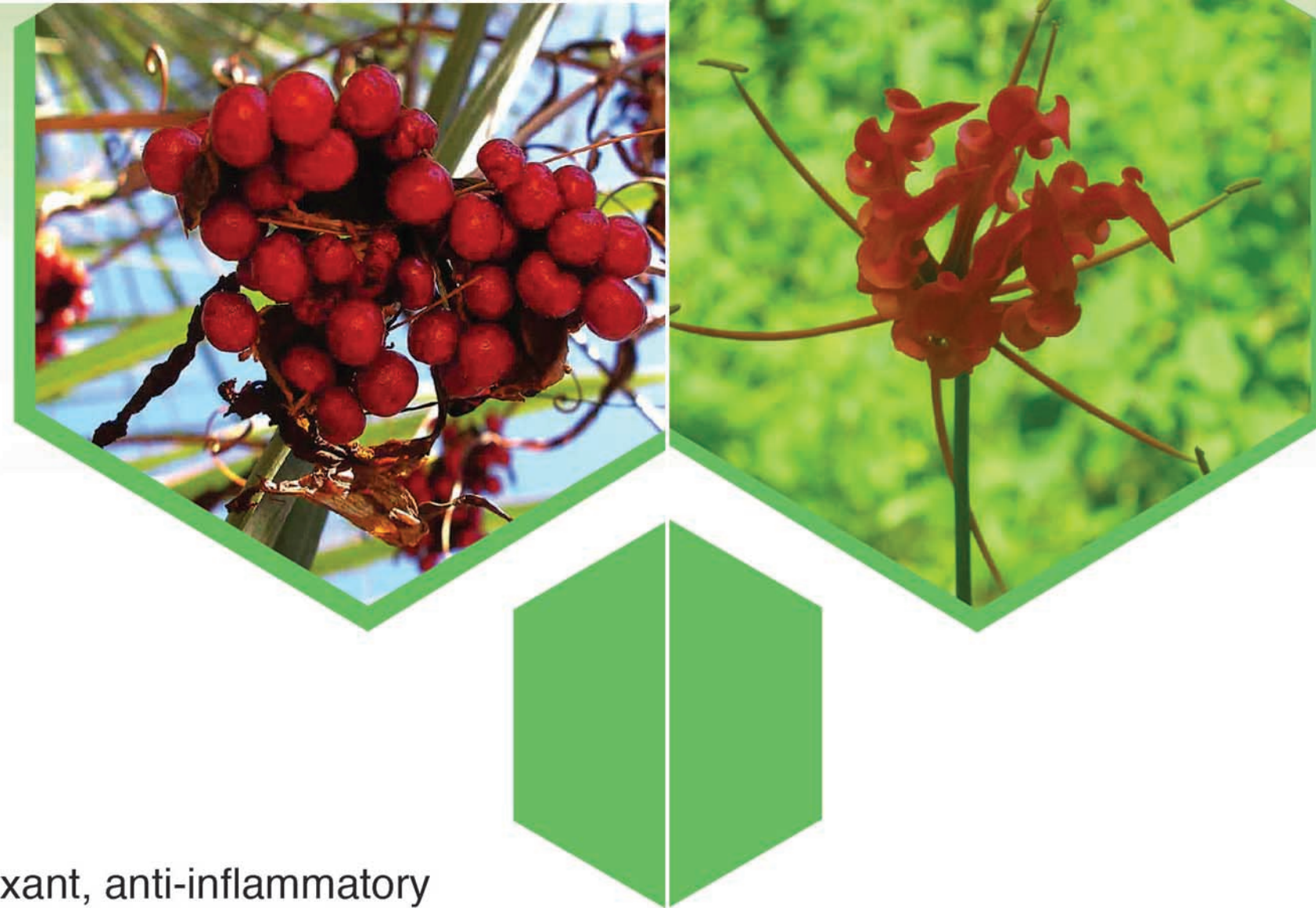
Thiocolchicoside

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 Weight : 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.



Colchicine

Colchicine is a naturally occurring alkaloids extracted from the seeds of **Gloriosa superba** plant.

CAS No. : 64-86-8
Chemical Formula : $C_{22}H_{25}NO_6$
Molecular Weight : 399.44 g/mole

Benefits:

Colchicine is used in the treatment of Gout.

| 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° |
| Sulphated Ash | Not more than 0.1% |
| Loss on Drying (At 105°C for 3 hrs.) | Not more than 4.0% |
| Assay (By HPLC) | Between 98.0% and 102% (on dried basis) |
| Microbial contamination | |
| Total microbial count | Not more than 1000 cfu/gm |
| Total yeast and mould count | Not more than 100 cfu/gm |
| Escherichia coli | Absent /gm |
| Salmonella | Absent /gm |
| Staphylococcus aureus | Absent /gm |
| Pseudomonas aeruginosa | Absent /gm |
| Enterobacteriaceae | Absent /gm |
| Bacterial Endotoxin | Not more than 87.5 EU/mg |

DMF No. - 28457

THI COLCHICOSIDE CAN BE SUPPLIED AS PER IP / FP / EP

| PARAMETERS | SPECIFICATIONS |
|---------------------------|---|
| Description | Pale yellow to pale greenish-yellow, amorphous scales or powder or crystalline powder. Is odorless or nearly so and darkens on exposure to light. |
| Solubility | Soluble in water, freely soluble in alcohol and in chloroform, slightly soluble in ether. |
| Specific Optical Rotation | Between -240 & -250 (On anhydrous & solvent free basis) |
| Water Content (By KF) | Not more than 2.0% |
| Assay (By HPLC) | Between 94.0% and 101.0% (On anhydrous and solvent free basis) |
| Identification (By IR) | IR spectra should match with that of reference standard. |
| Limit of colchicine | No definite green color should produce. |
| Limit of ethyl acetate | Not more than 8.0% |

COLCHICINE CAN BE SUPPLIED AS PER USP/BP/EP.