PRODUCT LIST

Ensuring the best natural solutions
MISSION
We improve the quality of life by manufacturing and supplying great natural solutions worldwide. Doing business responsibly.

ACTIVE INGREDIENTS
Manufactured in Switzerland and GMP certified.
Suitable for Pharmaceuticals, Dietary Supplements and Cosmetics.

ACTIVE PHARMACEUTICAL INGREDIENTS (API)
Herbal Extracts
Purified Ingredients

DELIVERY SYSTEM
Two innovative technologies for the effective delivery of natural compounds in targeted formulations.

NeoSol™
Water Soluble Ingredients for Liquid Supplements

NioSkin™
Niosome Active Ingredients for Cosmetics

FINISHED PRODUCTS
Medical Device formulations are available for Licensing.

SylTech™
Finished Dosage Forms for Topical Application
**HERBAL EXTRACTS**

**BILBERRY**
Standardized and refined dry extract of *Vaccinium myrtillus* fruits (EP: between 32.4 % and 39.6 % anthocyanins; USP: NLT 36 % anthocyanins).
TRADITIONAL USES: Eye health, vasoprotection and antioxidant.

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**CANNABIS EXTRACT**
Extract of *Cannabis sativa* L. (THC< 1%)
TRADITIONAL USES: Antiepileptic, anti-inflammatory, anti-emetic, muscle relaxing, anxiolytic, neuroprotective and anti-psychotic activity.

**GINKGO BILOBA EPG 246**
Refined and quantified dry extract of *Ginkgo biloba* leaves (between 22.0% and 27.0 % ginkgo flavon glycosides and NLT 6.0% terpene lactones).
TRADITIONAL USES: Antioxidant and peripheral vasodilator (brain support, cerebrovascular disorders, neuroprotection and tinnitus).

**GINKGO BILOBA ETHANOL 246 E**
Herbal extract of *Ginkgo biloba* leaves (NLT 24% ginkgo flavon glycosides and NLT 6.0% terpene lactones).
TRADITIONAL USES: Antioxidant and peripheral vasodilator (brain support, cerebrovascular disorders, neuroprotection and tinnitus).

**RED CLOVER IFL 40**
Standardized and refined dry extract of *Trifolium pratense* aerial parts (between 36.0% and 44.0% total isoflavones).
TRADITIONAL USES: Relief of menopausal symptoms.

**ZEA MAYS UNSAPONIFIABLE FRACTION**
Extract of the unsaponifiable fraction of *Zea mays* oils (between 20.0 % and 25.0 % β-sitosterol).
TRADITIONAL USES: Dental and mouth disorders (gum disease).

**VALERIAN DRY HYDROALCOHOLIC EXTRACT**
Extract of *Valeriana officinalis* root (NLT 0.25 % sesquiterpenic acids).
TRADITIONAL USES: Relief of mild nervous tension, mental stress and sleep disorders.

**ACTIVE PHARMACEUTICAL INGREDIENTS**

**BUTYLCOPOLAMINE**
Semisynthetic derivative of *Duboisia* leaves.
USES: Antispasmodic (treatment of abdominal pain and cramps).

**HYJECT**
Semisynthetic derivative of *Duboisia* leaves. API non sterile, suitable for injectable use.
USES: Antispasmodic (treatment of abdominal pain and cramps).

**VINPOCETINE**
Semisynthetic derivative of *Voacanga africana* seeds.
USES: Peripheral vasodilator (brain support, cerebrovascular disorders and neuroprotection).

**VINJECT**
Semisynthetic derivative of *Voacanga africana* seeds. API non sterile, suitable for injectable use.
USES: Peripheral vasodilator (brain support, cerebrovascular disorders and neuroprotection).

**VINCAMINE**
Semisynthetic derivative of *Voacanga africana* seeds.
USES: Peripheral vasodilator (brain support, cerebrovascular disorders and neuroprotection).

**5 HTP**
Purified extract of *Griffonia simplicifolia* seeds (NLT 99.0% L-5-Hydroxytryptophan).
USES: Mood booster, antidepressant, migraine, appetite control and sleep disorders.

**HMR lignan™ (7-Hydroxymatairesinol)**
Purified extract of *Picea abies* knots (NLT 90% 7-Hydroxymatairesinol).
USES: Relief of menopausal symptoms, cardiovascular protection, metabolic syndrome.
### WATER SOLUBLE INGREDIENTS
**FOR LIQUID SUPPLEMENTS**

An innovative technology to achieve optimized natural extract solubility.

<table>
<thead>
<tr>
<th>Product</th>
<th>NeoSol™ RCL40</th>
<th>NeoSol™ Ginkgo</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Red Clover Isoflavone Aglycones Extract</td>
<td>Ginkgo Biloba 24/6 Extract</td>
</tr>
<tr>
<td><strong>Indication</strong></td>
<td>Anti-aging</td>
<td>Anti-aging</td>
</tr>
<tr>
<td></td>
<td>Antioxidant</td>
<td>Microcirculation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ocular microcirculation</td>
</tr>
<tr>
<td></td>
<td>Menopause</td>
<td>Anti-cellulite</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Anti-cellulite</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Vascular protection</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tinnitus and vertigo</td>
</tr>
</tbody>
</table>

**NeoSol™**, proprietary Active Ingredients.

### NIOSOME ACTIVE INGREDIENTS
**FOR COSMETIC FORMULATIONS**

Nioskin niosomes are a new and effective delivery system designed to improve skin penetration of natural ingredients.

<table>
<thead>
<tr>
<th>Product</th>
<th>NioSkin™ RCL40</th>
<th>NioSkin™ HMRLignan</th>
<th>NioSkin™ Ginkgo</th>
<th>NioSkin™ Bilberry</th>
<th>NioSkin™ MedCan</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Red Clover Isoflavone Aglycones Extract</td>
<td>Picea Abies Purified Lignan</td>
<td>Ginkgo Biloba 24/6 Extract</td>
<td>European Bilberry Anthocianins Extract</td>
<td>Cannabis sativa CBD Extract (THC free)</td>
</tr>
<tr>
<td><strong>Indication</strong></td>
<td>Anti-aging in mature skin (+40)</td>
<td>Anti-wrinkle at any age</td>
<td>Anti-aging, moisturizing</td>
<td>Antioxidant &amp; antiaging</td>
<td>Anti-inflammatory</td>
</tr>
<tr>
<td></td>
<td>Dryness of skin and mucosae</td>
<td>High hydration and eye-lines recover</td>
<td>High hydration and fine lines recover</td>
<td>Capillary protection &amp; couperose</td>
<td>Immunological related skin disorders</td>
</tr>
<tr>
<td></td>
<td>Hyperpigmentation in aging</td>
<td>Anti-aging sunscreen formula</td>
<td>Anti-aging, moisturizing</td>
<td>Dark eye circle</td>
<td>Dermatosis</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Skin irritation and sensitive skin</td>
<td>Local tissue microcirculation</td>
<td></td>
<td>Contact dermatitis</td>
</tr>
</tbody>
</table>

**Nioskin™** Active Ingredients are patented.
FINISHED PRODUCTS

Medical Device formulations available for licensing. SylTech™ formulations are clinically tested and suitable for being consistently promoted to medical profession.

Gynecology

Vulvar Spray Foam
Vulvar Gel
- Vulvar contact dermatitis
- Vulvar dermatosis (lichen)
- Vulvar redness, irritation post-coitum
- Post-partum lesions

Vaginal Gel with
NioSkin™ RCL40
- Vaginal discomfort in menopause
- Vaginal atrophy
- Dryness, dyspareunia

Vaginal Softgel
- Aerobic vaginitis
- Day surgery lesions (colposcopy, laser)
- Ectropium

Wipes
- Hygiene for local lesions

Dermatology

Topical Repair
Spray Powder
- Exudative wounds
- Pressure ulcer
- Small cut

Topical Face Acne
Cream Gel
- Acne
- Skin Impurities

Herpes Labial
Cream Gel
Adjuvant local treatment of herpes simplex labial

Ophthalmology

Eye Gel
(Under development)

Mini-Wipes
(Under development)

Oral care

Foam mouthwash

Oral gel

Proctology

Cream-gel
With applicator

Wipes
(Under development)

- Hemorrhoids discomfort related
- Post-surgery lesions
- Anal ragades
- Proctitis
- Inflammation of perianal tissue
- Anal fissures

Wipes
(Under development)

- Recurring oral aphthae
- Oral mucositis
- Oral dermatitis
- Stomatitis
- Periodontal inflammation
- Post-surgery lesions, implantology

Wipes
(Under development)

- Periocular inflammation
- Periocular dermatitis
- Adjuvant ocular post-surgery infection
- Periocular hygiene

Wipes
(Under development)

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- Periocular dermatitis
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35 years experience in Natural Science

At Linnea, we manufacture Herbal Extracts, Purified Ingredients and Semi-synthetic APIs of Natural Origin.

We specialize in the Extraction and Purification of Plant Materials and in the Synthesis of Fine Chemicals for use in Pharmaceutical, Nutraceutical, Health-Food and Cosmetic products.

We provide a full qualified support in Process Technology, engineering, Analytical and Regulatory.
Linnea's headquarters are based in Riazzino, a small town close to Maggiore Lake, in Ticino Canton, Switzerland. Linnea Inc., the American branch, was inaugurated in 1997, in Easton PA and manages the North American market.