

promote skin health and function



# DermalRx® Acetygen®

DermalRx® Acetygen® is a new paradigm in skin “guardian” health and anti-aging active ingredients. A synergistic combination of natural *Agrimonia eupatoria* and *Ampelopsis grossedentata* extracts, DermalRx Acetygen employs the benefits of potent phytochemicals, including dihydromyricetin, myricetin, and other bioactive flavonoids to mediate a range of beneficial anti-aging effects. By increasing the skin’s ability for “surveillance,” repair, and remodeling, DermalRx Acetygen facilitates proper catabolism and controlled anabolism in the skin, essential for maintaining a youthful skin physiology and appearance.

The anti-aging benefits of DermalRx Acetygen are mediated through strong regulation of microRNA signaling and epigenetic mechanisms. Epigenetic modulation in cellular function involves biochemical alterations in the structure of chromosomes without any changes in DNA sequences. DermalRx Acetygen acts on the histone deacetylase (HAT/HDAC) “switch” to activate and restore gene expression to levels found in young skin. DermalRx Acetygen activates the skin’s natural surveillance and clearance of senescence burden (also called “zombie” cells), so the skin can quickly repair, resolve inflammation, and rebuild to restore a youthful, more healthy state and appearance.

restoration of a youthful and healthy appearance through natural epigenetic modulation of pro-health functions in skin



*Agrimonia eupatoria*



*Ampelopsis grossedentata*

## Applications

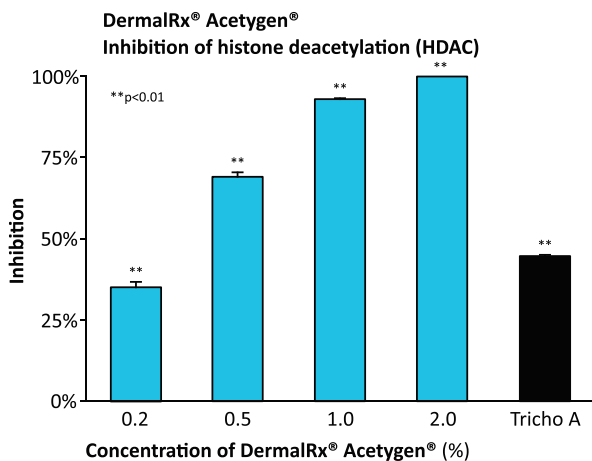
- Anti-aging skin care regimes (day, night and after-sun)
- Skin repair and restorative treatment products
- Products targeting oxidative and inflammatory damage
- Soothing /calming and repair for sensitive skin
- Adjuvant therapy to bolster proprietary actives and products

### DermalRx® Acetygen®

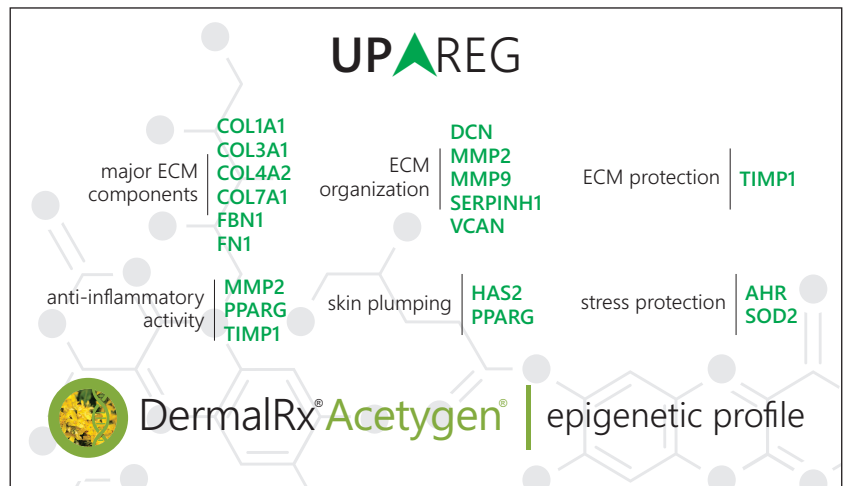
Product ID – R10117

Suggested Use Level – 1% - 3%

Water (and) Butylene Glycol (and) *Agrimonia Eupatoria* Extract (and) *Ampelopsis Grossedentata* Leaf Extract



DermalRx® Acetygen® acts as an HDAC inhibitor, preserving histone acetylation to reduce gene silencing and enhance the expression of beneficial genes.



DermalRx® Acetygen® elevates the expression levels of 16 genes associated with youthful, healthy skin.

25 Health Sciences Drive  
Stony Brook, New York, 11790 USA



Tel: +1 631.638.1300 | Fax: +1 631.638.1303  
info@biocogent.com | biocogent.com