

EndoAxis

Formula 2

DETOX SUPPORT

Focused nutrients to optimize phase 1 and phase 3 detox.

AT A GLANCE

Phase 1 detoxification is a crucial process of biotransformation, wherein fat-soluble toxins are transformed into water-soluble intermediates for conjugation and easy elimination from the body.

Several compounds have been shown to support this process naturally, including Diindolylmethane, Black Radish, Sulforaphane, *Rosmarinus officinalis*, N-Acetylcysteine, Alpha Lipoic Acid, Calcium-d-glucarate, and TruBroc.

Meet Restore

Designed to move, alter and transform our detox intermediates into less reactive and more easily eliminated by-products. Supporting our hormone balance.



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KEY BENEFITS



Optimizes estrogen detoxification



Targets key enzymes involved in phase 1 detoxification



Promotes cellular health by reducing the effects of high estrogen in both women and men

FORMULA ANALYSIS

Diindolylmethane

Diindolylmethane, or DIM, is a compound found in cruciferous vegetables such as broccoli and cabbage. It has gained attention for its ability to support estrogen metabolism by promoting the activity of the CYP1A and, to a lesser extent, CYP 1B pathways[1]. These pathways are involved in the conversion of active estrogens into their intermediate forms, primarily the 2-hydroxy form (and to a lesser extent, the 4-hydroxy forms). This shift in metabolism can potentially reduce the risk of estrogen-dominant conditions and estrogen-related health issues.

Black Radish

Black radish contains glucosinolates- sulfur compounds that have been associated with phase 1 detoxification support[2]. These compounds activate enzymes responsible for metabolizing estrogen, facilitating their conversion into less harmful metabolite intermediates[3]. The antioxidant properties of black radish further contribute to the protection against oxidative stress induced by estrogen metabolism[4].

Sulforaphane

We have partnered with the creators of TruBroc, a company that prides themselves on creating bio-active, potent, and 3rd party tested Sulforaphane to maximize our detox formulations. Sulforaphane is an antioxidant formed when myrosinase transforms glucoraphanin, a glucosinolates found in broccoli sprouts. Once transformed, sulforaphane acts as a potent activator of CYP450 enzymes, enhancing phase 1 detoxification pathways, while also supporting sulfation (a phase 2 detoxification step for estrogens). Sulforaphane is considered one of the most potent enhancers for cellular detoxification, and works upstream to protect DNA from oxidative stress and aging[5]. Through this enhancement, sulforaphane helps convert estrogen into less harmful metabolites, reducing estrogens burden on the body.

Rosmarinus officinalis

Rosmarinus, or Rosemary, contains several bioactive compounds, such as rosmarinic acid and carnosol, known for their antioxidant and anti-inflammatory properties. These compounds have been shown to support phase 1 detoxification enzymes, enhancing the metabolism of estrogen[6]. Additionally, rosemary's antioxidant effects protect against cellular damage caused by reactive estrogen metabolites[7].

N-Acetylcysteine

N-acetylcysteine, or NAC, is a precursor to glutathione, our bodies master antioxidant. By replenishing glutathione levels, NAC supports the body's antioxidant defense system and aids in the removal of toxic substances, including estrogen metabolites[8]. NAC also possesses anti-inflammatory properties, which can reduce estrogen dominate symptoms.

Alpha Lipoic Acid

Alpha lipoic acid (ALA), is a potent antioxidant that helps regenerate other antioxidants, such as glutathione and vitamins C and E[9]. It has been shown to enhance phase 1 detoxification enzymes, including those involved in estrogen metabolism. ALA's ability to neutralize free radicals also contributes to reducing the oxidative stress associated with estrogen detoxification[10].

Calcium-d-glucarate

Calcium-d-glucarate (CDG), is a natural substance found in fruits and vegetables[11]. It aids in estrogen detoxification by inhibiting the enzyme beta-glucuronidase, which can reactive toxic estrogen metabolites in the gut[12]. By blocking this enzyme, CDG promotes the elimination of estrogen, reducing the potential harmful influence high estrogen can have in the body.

Contains **TruBroc** (a trademark of Brassica Protection Products, LLC)- a highly bio-available glucoraphanin that converts to long-lasting sulforaphane in our gut.

SUPPLEMENT FACTS

Serving Size 1 Capsule

Servings Per Container 60

Amount Per Serving		% Daily Value
Calcium (as calcium d-glucarate)	32.5mg	3%
Magnesium (as 50% magnesium glycinate and 50% magnesium malate)	131.1 mg	3%
Calcium D-Glucarate (Tetrahydrate Form)	250 mg	†
N-acetyl-L-cysteine	100 mg	†
BioResponse DIM® proprietary complex (Starch, diindolylmethane, Vitamin E [as tocophersolan], phosphatidyl choline, silica)	75 mg	†
Alpha Lipoic (as R-lipoic acid)	50 mg	†
Broccoli (<i>Brassica oleracea italica</i>) (seed) powder extract (13% glucoraphanin) (TrueBroc®)	25 mg	†
Black Radish (<i>Raphanus sativus niger</i>) (root) powder	25 mg	†
Rosemary (<i>Rosmarinus officinalis</i>) (leaf) extract (NLT 8% Carnosic Acid, NLT 0.5% Carnosol and NLT 2.5% Rosmarinic Acid) 10:1	25 mg	†

† Daily Value not established

Other ingredients: Vegetable capsule (hypromellose), microcrystalline cellulose, magnesium stearate, and silicon dioxide.

SUGGESTED USE

Take 1 capsule 2 times a day with a meal or as directed by your healthcare practitioner.

CAUTION: Do not use if pregnant or nursing. Consult your physician before use if you have a medical condition, or taking any medication. Do not use product if the safety seal is broken or damaged. Keep out of reach of children.

MADE WITHOUT

Wheat, gluten, corn, yeast, animal or dairy products, fish, shellfish, peanuts, tree nuts, egg, artificial colors, artificial sweeteners, or preservatives.

*These statements have not been evaluated by the Food & Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.

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