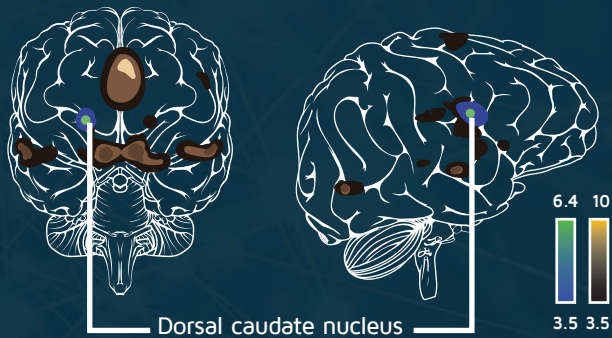


MOOD - MENTAL BALANCE*

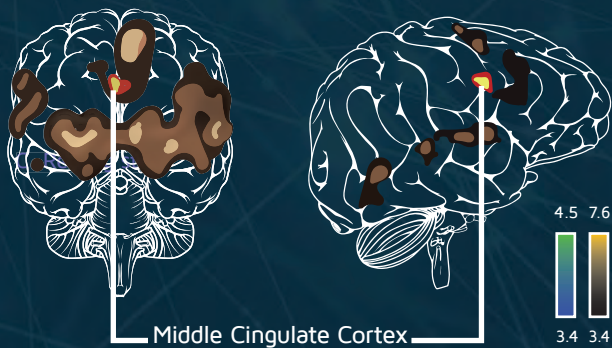
NA2R® lifts mood by affecting serotonergic mechanism.

NA2R® consumption reduces neural responses during reward anticipation of the dorsal caudate nucleus and lift mood by affecting mood-regulating neurocircuits, increases neural response in the dorsal cingulate cortex during fear processing and threat of shock & increases ventromedial prefrontal lateral connectivity under resting state conditions.

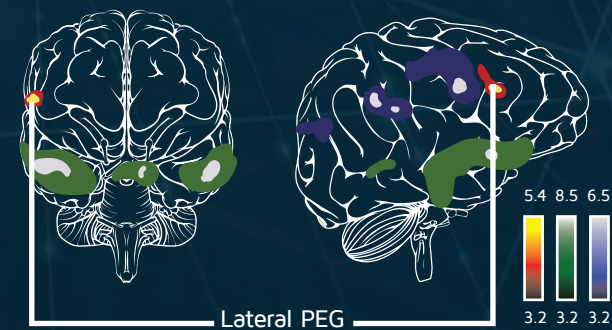
A. REWARD ANTICIPATION



B. THREAT OF SHOCK



C. RESTING STATE

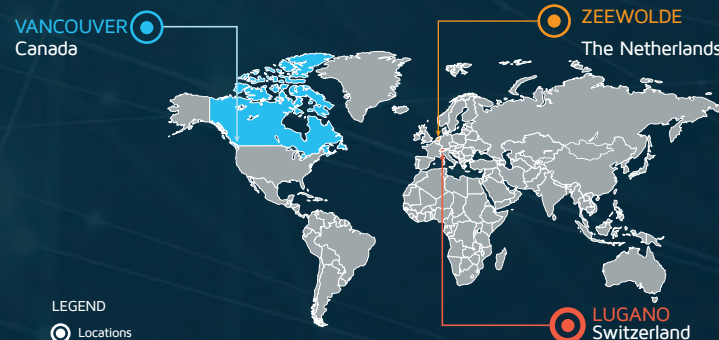


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Bioseutica aims to become a world market leader catalysing responsible development of natural high quality proteins and enzymes. Bioseutica is committed to scientific research leading to innovative products and proprietary technologies. Bioseutica focuses on the global supply of the highest quality bioactive proteins, including egg derived proteins, such as lysozyme, avidin and ovotransferrin, pancreatic enzymes and specialty products, food ingredients and feed additives, designed for antibiotic free livestock, such as, aqua, poultry and swine and pets.

**LYSOZYME
PANCREATIC ENZYMES
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NA2R®

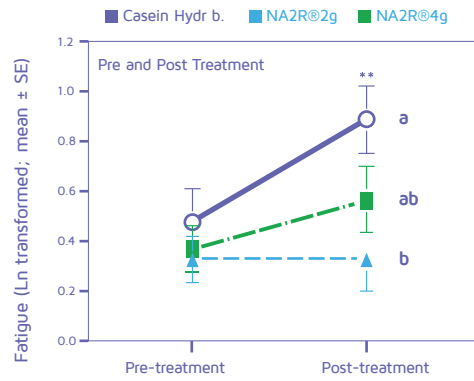
NA2R® is a clinically proven natural ingredient for the novel food/nootropics industry. Its daily consumption leads to increased brain serotonin levels, exerting physiologically beneficial effects on brain functions like mood that, in turn, could promote the feeling of well-being, particularly during stressful conditions, as well as helps improve emotional and cognitive functions.



**FOOD AND CONFECTIONERY INDUSTRY
BEVERAGE COMPANIES
DIETARY SUPPLEMENTS PRODUCERS
NOOTROPIC AND NOVEL FOOD COMPANIES
NUTRACEUTICAL COMPANIES**

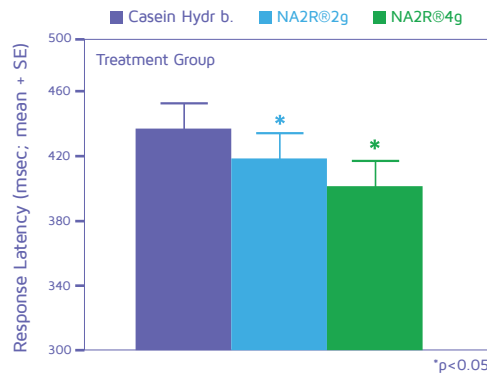


RESIST INCREASE IN FATIGUE



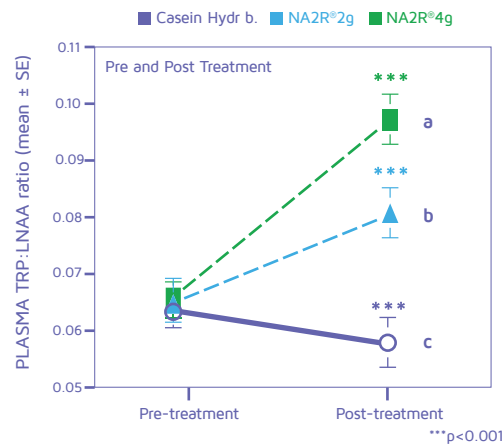
NA2R® significantly decreased fatigue associated with intensive cognitive testing, at both 2g and 4g doses¹.

IMPROVE REACTION TIMES



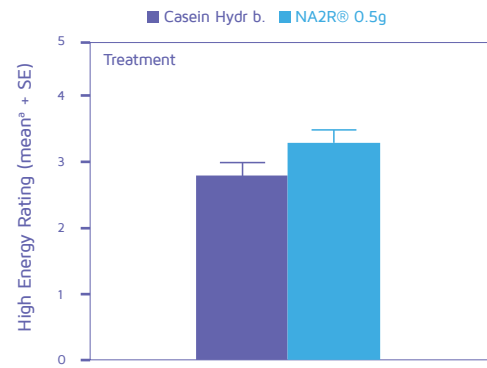
NA2R® intake reduced response latency to positive target words¹.

TIP THE TRP:LNAA BALANCE TO INCREASE BIOAVAILABLE TRP



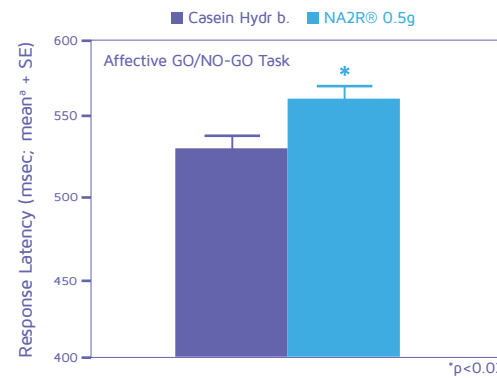
Acute NA2R® supplementation significantly increased plasma TRP:LNAA ratio, the gold-standard indicator of bioavailable Tryptophan².

SUPPORT POSITIVE MOOD



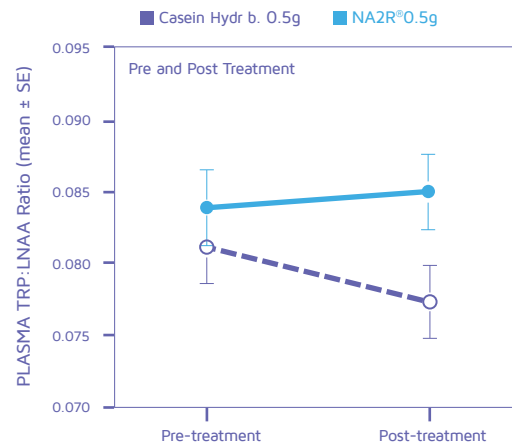
Long-term supplementation (0.5g twice daily) significantly increased overall ratings of energy levels on the final test day compared to control².

POSITIVELY SHIFT EMOTIONAL PROCESSING



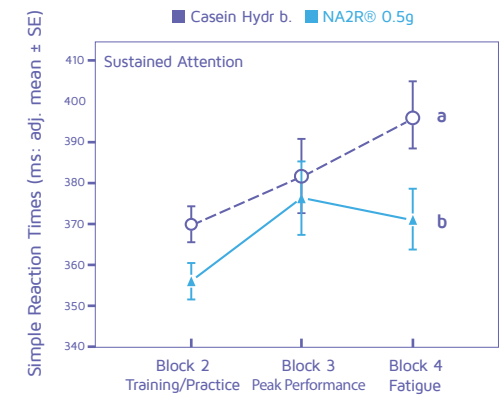
NA2R® increased response latency to negative stimuli in an affective GO/NO-GO task, shifting processing away from negative

CHRONIC NA2R® SUPPLEMENTATION BALANCES TRP:LNAA RATIO



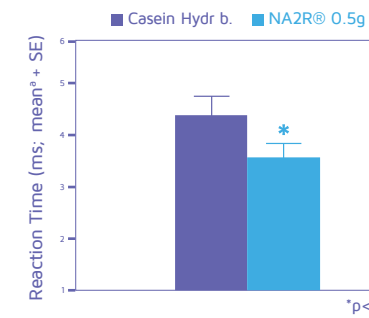
Daily consumption of 0.5g NA2R® for 19 days resisted decrease in TRP:LNAA associated with control drink, without increasing pre-treatment baseline TRP level².

SUSTAIN ATTENTION

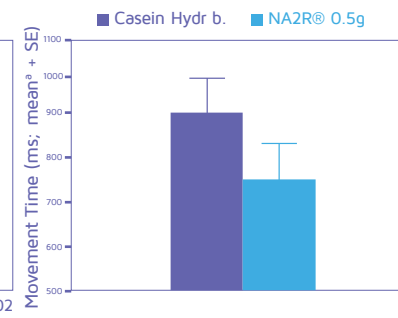


NA2R® supplementation significantly improved sustained attention in a simple reaction time task compared to control².

A. REACTION TIME



B. REACTION SPEED



NA2R® significantly reduced reaction times(latency), without affecting reaction speed in a visual search task².

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DISCLAIMER

THIS CONTENT IS INTENDED SOLELY FOR COMPANIES AND MAKERS

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REGULATORY STATUS

USA: Approved as a new dietary ingredient (NDI)

USA: Compliant with GRAS peptones

EU: Approved as Novel Food Ingredient in food supplements - adults only

DOPING FREE[®]: Qualified as non-doping by The Netherlands Security System Nutritional Supplements Elite Sports (NZVT)
Not included in the WHO/WADA Prohibited doping list.