

RHAPONTICUM

1% TOTAL ECDYSTEROIDS



ABOUT

Rhaponticum carthamoides, also known as maral root or Russian leuzea, is a perennial adaptogenic herb endemic in the Altai and Saian mountains of South Siberia, where it is known for its medicinal properties.

Publications indicate anabolic activity, prevention of joint and bone degeneration, decreased stress and improved mood as well as cardioprotective properties, making the extract ideal for sports applications.

REFERENCES

1. Kokoska, L., et al. Chemistry and Pharmacology of *Rhaponticum carthamoides*: A review. *Phytochem.* 70 (842-855) (2009).
2. Dushkin, M., et al. Effects of *Rhaponticum carthamoides* versus *Glycyrrhiza glabra* and *Punica granatum* Extracts on Metabolic Syndrome Signs in Rats. *BMC Complement Altern Med.* 14: 33 (2014).
3. Panossian, A., et al. Novel Molecular Mechanisms for the Adaptogenic Effects of Herbal Extracts on Isolated Brain Cells Using Systems Biology. *Phytomed.* 50 (257-284) (2018).
4. Wu, J., et al. Ecdysterones from *Rhaponticum carthamoides* (Willd.) Ijjin Reduce Hippocampal Excitotoxic Cell Loss and Upregulate mTOR Signaling in Rats. *Fitote.* (2017).

CERTIFICATIONS



Nektium Pharma SL holds GMP certification (ES19/85835) and FSSC 22000 Food Safety System Certification (ES19/86276) by SGS

KEY BENEFITS

Sports

Muscle Health

PRODUCT FEATURES

BOTANICAL ORIGIN

Rhaponticum carthamoides (roots)

BIOACTIVES

Total ecdysteroids \geq 1%

CULTIVATED OR WILD

Wild-crafted

APPEARANCE

Free flowing, yellowish brown to brown powder

PACKAGING MATERIAL

25kg

SHELF LIFE

18 months

TASTE

Characteristic

SOLUBILITY

Soluble to very slightly soluble

SAFETY & QUALITY

GMO free, BSE/TSE free, DNA-barcode to identify raw material

PRODUCT CERTIFICATION

Kosher, Halal

nektium
SCIENCE BASED
NATURAL INGREDIENTS

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