GENORACLE

MET-ENKEPHALIN

PATIENT EDUCATION SHEET

What is Met-Enkephalin?

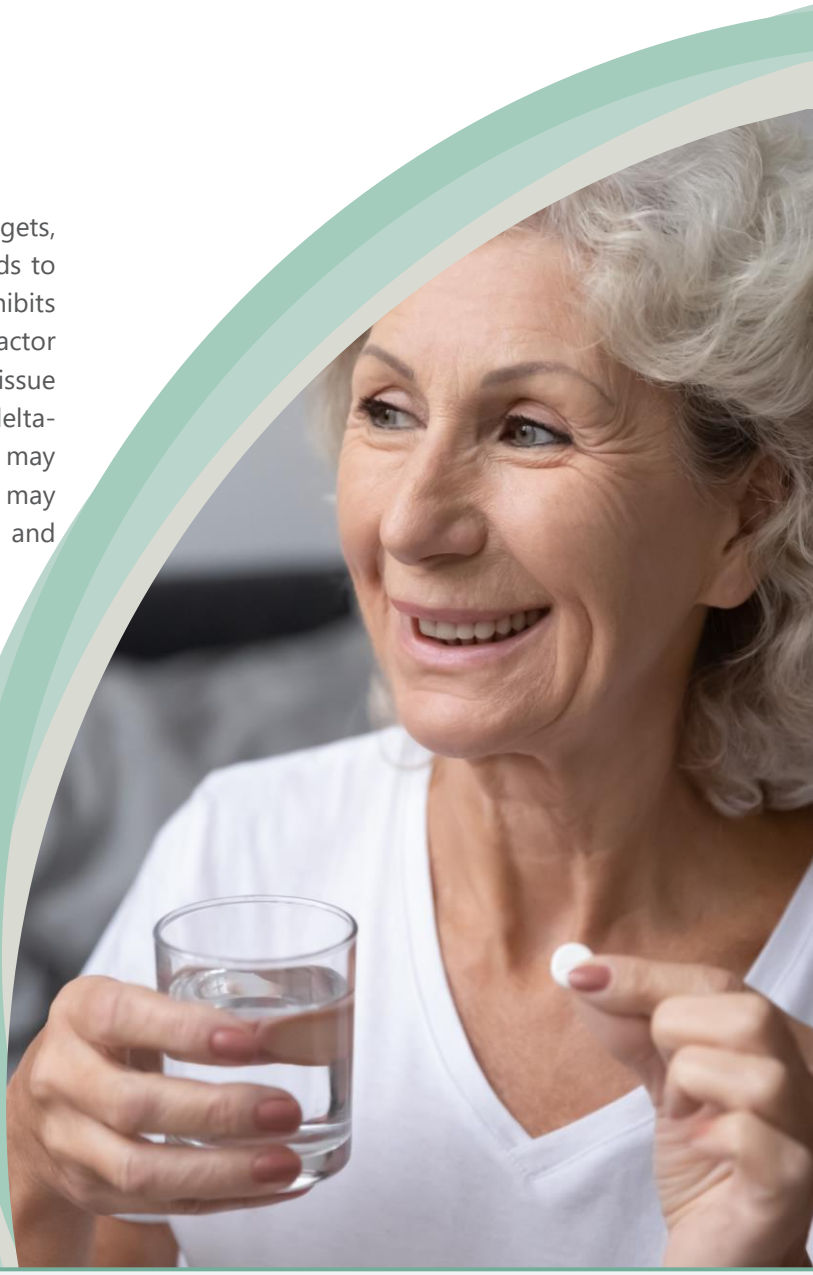
The opioid growth factor (OGF, also known as met-enkephalin)-OGF receptor (OGFr) axis works in animal and human cancer cell lines and tumors. **Met-Enkephalin** is a synthetic form of the naturally occurring, endogenous opioid peptide, metenkephalin, and agonist of the zeta- and delta-opioid receptor and, to a lesser extent the mu-opioid receptor.

Indications:

- Modulates memory responses
- Aids in tissue growth and regeneration
- Modulates immune system
- Helps depression
- Relieves pain
- Improves GI movement

How does Met-Enkephalin work?

Met-Enkephalin mimics its endogenous ligand and targets, binds to and activates the opioid receptors. This leads to an analgesic effect, inhibits neuropathic pain, and inhibits GI muscle contractility. Binding to the opioid growth factor receptor (OGFR; zeta-opioid receptor), enhances tissue growth and regeneration. In addition, activation of delta-opioid receptors located on a variety of immune cells may modulate the inflammatory immune response. This may inhibit the secretion of pro-inflammatory cytokines and the proliferation of leukocytes.



PATIENT BENEFIT:

REMODERATE TISSUE

IMPROVE MEMORY