



LKT Laboratories, Inc.

Tyr-MIF-1

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID M3219

CAS No. 77133-61-0

Chemical Name

Synonym (Tyr0)-Melanocyte-stimulating hormone-release inhibiting factor, MIF-1

Formula $C_{22}H_{33}N_5O_5$

Formula Wt. 447.54

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water.

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description Tyr-MIF-1 is a neuromodulatory tetrapeptide of the MIF-1 family that acts as an antagonist at μ -opioid receptors (μ ORs), inhibits opioid-induced antinociception and analgesia in vivo. When administered alone, Tyr-MIF-1 may exhibit histamine-dependent antinociceptive activity itself. Additionally, Tyr-MIF-1 increases gastric motility, stimulating antral and duodenal myoelectric activity. TEST!!!!!!

H-Tyr-Pro-Leu-Gly-NH₂

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
M3219	5 mg	\$179.60
M3219	10 mg	\$299.30
M3219	25 mg	\$598.50

References Pan W, Kastin AJ. From MIF-1 to endomorphin: the Tyr-MIF-1 family of peptides. *Peptides*. 2007 Dec;28(12):2411-34. PMID: 17988762.

Bocheva A, Dzambazova-Maximova E. Antioioid properties of the TYR-MIF-1 family. *Methods Find Exp Clin Pharmacol*. 2004 Nov;26(9):673-7. PMID: 15632952.

Zamfirova R, Bocheva A, Todorov S. Involvement of H2-receptors in the mechanism of analgesic action of Tyr-MIF-1. *Arch Physiol Biochem*. 2003 Dec;111(5):443-7. PMID: 16026032.

Million M, Fioramonti J, Bueno L. Central administration of Tyr-MIF-1 stimulates gastrointestinal motility in rats: evidence for the involvement of dopamine, sigma and CCK receptors. *Neuropeptides*. 1994 Feb;26(2):77-85. PMID: 7909585.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.