



LKT Laboratories, Inc.

FMRF Amide

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

Product Information

Product ID F4857

CAS No.

Chemical Name

Synonym

Formula $C_{29}H_{42}N_8O_4S$

Formula Wt. 598.76

Melting Point

Purity $\geq 95\%$

Solubility Soluble in 5% acetic acid.

Phe-Met-Arg-Phe-NH₂

Bulk quantities available upon request

Product ID	Size
F4857	1 mg

Store Temp -20° C

Ship Temp Ambient

Description FMRF is a cardiostimulatory neuropeptide involved in reproductive behavior control. FMRF increases the magnitude of delayed rectifier K⁺ current (I(K)) in olfactory neurons and inhibits the exchange of Na⁺ and Ca²⁺.

References Di Cristo C. Nervous control of reproduction in Octopus vulgaris: a new model. *Invert Neurosci.* 2013 Jun;13(1):27-34. PMID: 23558706.

Ringstad N, Horvitz HR. FMRFamide neuropeptides and acetylcholine synergistically inhibit egg-laying by *C. elegans*. *Nat Neurosci.* 2008 Oct;11(10):1168-76. PMID: 18806786.

Ni MM, Luo Y, Liu J, et al. FMRFamide modulates outward potassium currents in mouse olfactory sensory neurons. *Clin Exp Pharmacol Physiol.* 2008 May;35(5-6):563-7. PMID: 18067588.

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