DATASHEET
Version: 2016-08-18

Phe-Met-Arg-Phe, amide

Cat. No.: RP10818

Size: 10 mg

Alias: F-M-R-F;-amide; Phe-Met-Arg-Phe amideMolluscan cardioexcitatory neuropeptide

Description:

FMRF-amide belongs to Molluscan Cardioexcitatory Neuropeptide. This peptide appears to localize with neuropeptide Y in some regions of the brain. FMRF-amide inhibits Na^{+}-Ca^{2+} exchange in cardiac sarcolemma vesicles. The neuropeptide FMRF-amide stimulated enzyme activity 7- to 8-fold (EC50, 1 mM) via receptors that were pharmacologically distinct from those for dopamine and serotonin. FMRF- amide augmented cyclic AMP levels in slices of gill tissue with a time course similar to that for adenylate cyclase activation.

Cas No: 64190-70-1

C-Terminal: NH_2

Sequence (one-letter code):

FMRF-NH_2

Sequence (three-letter code):

{PHE}{MET}{ARG}{PHE}-NH_2

Solubility: Soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weight out a smaller portion of the contents.

Formula: $C_{29}H_{42}N_8O_4S_1$

Molecular Weight: 598.76

Purity: > 95%

Storage:

Store at -20°C

Note:

*For Non-Clinical Research Use Only *