

## Met-Enkephalin-Arg-Phe

Cat. No.:	HY-P4196
CAS No.:	73024-95-0
Molecular Formula:	C <sub>42</sub> H <sub>56</sub> N <sub>10</sub> O <sub>9</sub> S
Molecular Weight:	877.02
Sequence:	Tyr-Gly-Gly-Phe-Met-Arg-Phe
Sequence Shortening:	YGGFMRF
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	Met-Enkephalin-Arg-Phe is a naturally occurring heptapeptide with analgesic activity <sup>[1]</sup> .	
In Vivo	Met-Enkephalin-Arg-Phe (10-100 nmol/mouse; i.c.v.; once) shows analgesic activity in mice <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Male Swiss Webster mice <sup>[1]</sup>
	Dosage:	10-100 nmol/mouse
	Administration:	Intracerebralventricular injection, once
	Result:	Produced a dose-related inhibition of the tail-flick response. The effects peaked at 2-4 min and were dissipated by 10 min. The EC <sub>50</sub> was 38.5 nmol/mouse.

### REFERENCES

[1]. Inturrisi CE, et al. Analgesic activity of the naturally occurring heptapeptide [Met]enkephalin-Arg6-Phe7. Proc Natl Acad Sci U S A. 1980 Sep;77(9):5512-4.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA