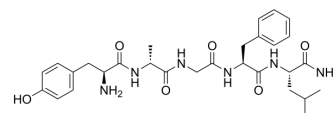


[D-Ala2] Leu-Enkephalinamide

| | |
|----------------------|---|
| Cat. No.: | HY-P3549 |
| CAS No.: | 65189-64-2 |
| Molecular Formula: | C ₂₉ H ₄₀ N ₆ O ₆ |
| Molecular Weight: | 568.66 |
| Sequence Shortening: | Y-{d-Ala}-GFL-NH ₂ |
| Target: | Others |
| Pathway: | Others |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|-------------|--|
| Description | [D-Ala2] Leu-Enkephalinamide is an enkephalin analog. [D-Ala2] Leu-Enkephalinamide has great corneal permeability and analgesic effect. [D-Ala2] Leu-Enkephalinamide can be used for the research of ocular diseases ^{[1][2]} . |
| In Vitro | [D-Ala2] Leu-Enkephalinamide (MEA) (1.0 mM; 10-240 min) has great corneal permeability in vitro ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |
| In Vivo | D-Ala2-Leu-enkephalinamide (s.c.) is also enhanced in morphine-dependent animals ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

- [1]. V P Ranta, et al. Gradient high-performance liquid chromatographic analysis of enkephalin peptides, their metabolites, and enzyme inhibitors using combined ultraviolet and electrochemical detection II. Application to ocular permeability studies in vitro. J Chromatogr B Biomed Sci Appl. 1998 May 8;709(1):1-10.
- [2]. L S Brady, et al. Analgesic effects of intraventricular morphine and enkephalins in nondependent and morphine-dependent rats. J Pharmacol Exp Ther. 1982 Jul;222(1):190-7.

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

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