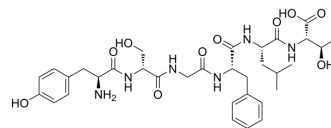


## DSLET

Cat. No.:	HY-P1332
CAS No.:	75644-90-5
Molecular Formula:	C <sub>33</sub> H <sub>46</sub> N <sub>6</sub> O <sub>10</sub>
Molecular Weight:	686.75
Sequence:	Tyr-L-Ser-Gly-Phe-Leu-Thr
Sequence Shortening:	YSGFLT
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

Description	DSLET ([D-Ser2, Leu5, Thr6]-enkephalin) is a highly specific agonist of the $\delta$ -receptor. DSLET is an enkephalin-related peptide selectively bound to the $\delta$ opioid receptor <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	$\delta$ Opioid Receptor/DOR
In Vitro	DSLET (0.1-1000 $\mu$ M) inhibits Cholera toxin (CT; HY-P1446)-induced cAMP production in a dose-dependent manner <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

- [1]. J L Nano, et al. Characterization of delta-opioid receptors and effect of enkephalins on IRD 98 rat epithelial intestinal cell line. *Pflugers Arch.* 2000 Mar;439(5):547-54.
- [2]. C S Goodchild, et al. Antinociception by intrathecal midazolam involves endogenous neurotransmitters acting at spinal cord delta opioid receptors. *Br J Anaesth.* 1996 Dec;77(6):758-63.

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

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