

## Dynorphin B (1-13) (TFA)

Cat. No.:	HY-P1337A
Molecular Formula:	C <sub>76</sub> H <sub>116</sub> N <sub>21</sub> F <sub>3</sub> O <sub>19</sub>
Molecular Weight:	1684.86
Sequence:	Tyr-Gly-Gly-Phe-Leu-Arg-Arg-Gln-Phe-Lys-Val-Val-Thr
Sequence Shortening:	YGGFLRRQFKWVT
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Sealed storage, away from moisture Powder -80°C 2 years -20°C 1 year

\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### BIOLOGICAL ACTIVITY

Description	Dynorphin B (1-13) TFA acts as an agonist on opioid κ-receptor.
IC <sub>50</sub> & Target	κ-opioid receptor <sup>[1]</sup>
In Vitro	Dynorphin B (1-13), a 13 amino acid, is an extraordinarily potent opioid peptide. The neurophysiological actions of Dynorphin B (1-13) have been the subject of considerable research effort <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Chavkin C. Dynorphin--still an extraordinarily potent opioid peptide. Mol Pharmacol. 2013 Apr;83(4):729-36.

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

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