

Syntide 2 (TFA)

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| Cat. No.: | HY-P0271A | | |
| Molecular Formula: | C ₇₀ H ₁₂₃ N ₂₀ F ₃ O ₂₀ | | |
| Molecular Weight: | 1621.84 | | |
| Sequence: | Pro-Leu-Ala-Arg-Thr-Leu-Ser-Val-Ala-Gly-Leu-Pro-Gly-Lys-Lys | | |
| Sequence Shortening: | PLARTLSVAGLPGKK | | |
| Target: | CaMK; Calcium Channel | | |
| Pathway: | Neuronal Signaling; Membrane Transporter/Ion Channel | | |
| Storage: | Powder | -20°C | 3 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |

BIOLOGICAL ACTIVITY

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| Description | Syntide 2 (TFA), a Ca ²⁺ - and calmodulin (CaM)-dependent protein kinase II (CaMKII) substrate peptide, selectively inhibits the gibberellin (GA) response, leaving constitutive and abscisic acid-regulated events unaffected ^[1] . | |
| IC ₅₀ & Target | CaMKII | Ca ²⁺ |

REFERENCES

[1]. Ritchie S, et al. Calcium-Dependent Protein Phosphorylation May Mediate the Gibberellic Acid Response in Barley Aleurone. Plant Physiol. 1998 Feb 1;116(2):765-76.

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

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