

2B-(SP) (TFA)

Cat. No.:	HY-P1114A
Molecular Formula:	C ₇₃ H ₁₂₄ F ₃ N ₂₆ O ₃₁ P
Molecular Weight:	1949.89
Sequence:	Arg-Arg-Ala-Ala-Glu-Glu-Leu-Asp-Ser-Arg-Ala-Gly-{Ser(PO3H2)}-Pro-Gln-Leu
Sequence Shortening:	RRAAEELDSRAG-{Ser(PO3H2)}-PQL
Target:	GSK-3
Pathway:	PI3K/Akt/mTOR; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	2B-(SP) TFA is a eIF2B-based substrate for glycogen synthase kinase-3 (GSK-3). 2B-(SP) TFA is readily phosphorylated by both the α and β isoforms of GSK-3 ^[1] .	
IC ₅₀ & Target	GSK-3 α	GSK-3 β

REFERENCES

[1]. G I Welsh, et al. Peptide substrates suitable for assaying glycogen synthase kinase-3 in crude cell extracts. *Anal Biochem.* 1997 Jan 1;244(1):16-21.

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

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