

P34cdc2 Kinase Fragment

Cat. No.:	HY-P3894
CAS No.:	309247-52-7
Molecular Formula:	C ₃₉ H ₇₀ N ₁₂ O ₁₃ S ₂
Molecular Weight:	979.18
Sequence Shortening:	CDNQIKKM
Target:	Microtubule/Tubulin
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	P34cdc2 Kinase Fragment is associated with the completion of DNA replication in yeast mitosis. P34cdc2 Kinase can phosphorylate mitogen-activated protein 2 (MAP2) to regulate microtubules polymerization in <i>Xenopus</i> oocytes meiosis ^{[1][2]} .
IC ₅₀ & Target	Mitogen-activated protein 2 ^[2]

REFERENCES

[1]. Knudsen KE, et al. p34cdc2 kinase activity is maintained upon activation of the replication checkpoint in *Schizosaccharomyces pombe*. *Proc Natl Acad Sci U S A*. 1996 Aug 6;93(16):8278-83.

[2]. Fellous A, et al. Association of p34cdc2 kinase and MAP kinase with microtubules during the meiotic maturation of *Xenopus* oocytes. *Int J Dev Biol*. 1994 Dec;38(4):651-9.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA