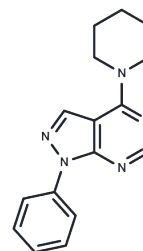


BUR1

Chemical Properties

CAS No. : 23000-46-6
Formula: C₁₆H₁₇N₅
Molecular Weight: 279.34
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	BUR1 is a <i>Saccharomyces cerevisiae</i> cyclin-dependent kinase (CDK) and is homologous to mammalian Cdk9, which functions in transcriptional elongation.
Targets(IC50)	CDK

Solubility Information

Solubility	DMSO: 55 mg/mL (196.89 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5799 mL	17.8993 mL	35.7987 mL
5 mM	0.716 mL	3.5799 mL	7.1597 mL
10 mM	0.358 mL	1.7899 mL	3.5799 mL
50 mM	0.0716 mL	0.358 mL	0.716 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Deshmukh AS, Mitra P, Kolagani A, Gurupwar R. Cdk-related kinase 9 regulates RNA polymerase II mediated transcription in *Toxoplasma gondii*. *Biochim Biophys Acta*. 2018 Feb 18. pii: S1874-9399(17)30373-5. doi: 10.1016

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