

KU-60019

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Store at low temperature, Keep away from moisture  
Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
Actual storage temperature shall be subject to the COA.

## Biological Description

Description	KU-60019 is a specific inhibitor of ATM kinase (IC50: 6.3 nM).
Targets(IC50)	ATM/ATR

## Solubility Information

Solubility	DMSO: 90 mg/mL (164.33 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (6.03 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Reference

Golding SE, et al. Improved ATM kinase inhibitor KU-60019 radiosensitizes glioma cells, compromises insulin, AKT and ERK prosurvival signaling, and inhibits migration and invasion. *Mol Cancer Ther.* 2009 Oct;8(10):2894-902.  
McCabe N, et al. Mechanistic Rationale to Target PTEN-Deficient Tumor Cells with Inhibitors of the DNA Damage Response Kinase ATM. *Cancer Res.* 2015 Jun 1;75(11):2159-65.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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