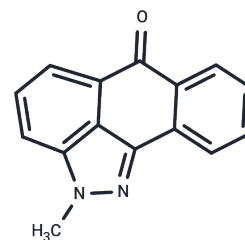


SP 600125, negative control

## Chemical Properties

CAS No. : 54642-23-8  
 Formula: C<sub>15</sub>H<sub>10</sub>N<sub>2</sub>O  
 Molecular Weight: 234.25  
 Storage: 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	SP 600125, negative control is a methylated analog of SP 600125 and can be used as a negative control for SP 600125. SP 600125, negative control inhibits DTP3 and GADD45 $\beta$ /MKK7 (growth arrest and DNA damage-inducible $\beta$ /mediator-activated protein kinase kinase kinase 7) and is capable of restoring activation. The IC <sub>50</sub> s of SP 600125, negative control against JNK2 and JNK3 were 18 and 24 $\mu$ M, respectively.
Targets(IC50)	Apoptosis,Others,Ferroptosis,Autophagy,JNK

## Solubility Information

Solubility	DMSO: 9 mg/mL (38.42 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2689 mL	21.3447 mL	42.6894 mL
5 mM	0.8538 mL	4.2689 mL	8.5379 mL
10 mM	0.4269 mL	2.1345 mL	4.2689 mL
50 mM	0.0854 mL	0.4269 mL	0.8538 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Zhang Y, et al. Suppression of delayed rectifier K<sup>+</sup> channels by gentamicin induces membrane hyperexcitability through JNK and PKA signaling pathways in vestibular ganglion neurons. *Biomed Pharmacother.* 2021;135: 111185.

Farag AK, et al. Diarylurea derivatives comprising 2,4-diarylpyrimidines: Discovery of novel potential anticancer agents via combined failed-ligands repurposing and molecular hybridization approaches. *Bioorg Chem.* 2020; 103:104121.

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