



Product Information

JNK-c-Jun inhibitor SP600125, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ924

Size: 10 mg; 25 mg; 50 mg; 100 mg; 200 mg

MDL: MFCD00022289

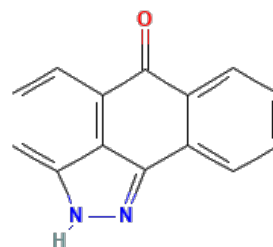
CAS Number: 129-56-6

Compound CID: 8515

Synonym: 129-56-6; 1,9-Pyrazoloanthrone; SP600125; Pyrazoloanthrone;

Dibenzo[cd,g]indazol-6(2H)-one; Pyrazoleanthrone; JNK-c-Jun inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	SP600125, soluble in DMSO and insoluble in ethanol and water, is an inhibitor of c-jun N-terminal kinase (JNK) signaling. It targets Aurora A, Chk1, EGF, and ERK2.
Molecular Weight	220.2
Molecular Formula	C ₁₄ H ₈ N ₂ O
Targets	Aurora A: 60 nM; Chk1: >10 μ M; EGF: >10 μ M; ERK2: >10 μ M
IUPAC Name	14,15-Diazatetracyclo[7.6.1.02,7.013,16]hexadeca-1(15),2,4,6,9(16),10,12-heptaen-8-one
InChI	InChI=1S/C14H8N2O/c17-14-9-5-2-1-4-8(9)13-12-10(14)6-3-7-11(12)15-16-13/h1-7H,(H,15,16)
InChI Key	ACPOUJIDANTYHO-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C2C(=C1)C3=NNC4=CC=CC(=C43)C2=O
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 43 mg/mL (195.25 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	SP600125 is utilized to study the inhibition of JNK (c-Jun N-terminal kinase) and its effects on apoptosis, inflammation, and cancer.
Storage	Store at -20°C.