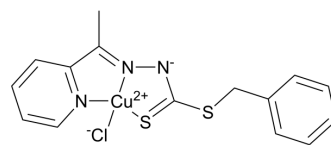


NSC 295642

Cat. No.:	HY-152168
CAS No.:	77111-29-6
Molecular Formula:	C ₁₅ H ₁₄ ClCuN ₃ S ₂
Molecular Weight:	399.42
Target:	PERK; Phosphatase
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	NSC 295642 is a phosphatase inhibitor. NSC 295642 can significantly increase phospho-Erk cytonuclear differences in intact cells. NSC 295642 can be used for the research of cancer ^[1] .
In Vitro	NSC 295642 (10 μM) inhibits MKP-3 (PYST-1) by 50% or more ^[1] . NSC 295642 inhibits the catalytic domain of Cdc25A ^[1] . NSC 295642 is active against a truncated form of Cdc25B lacking the regulatory N terminus ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Andreas Vogt, et al. Cell-active dual specificity phosphatase inhibitors identified by high-content screening. Chem Biol. 2003 Aug;10(8):733-42.

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

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