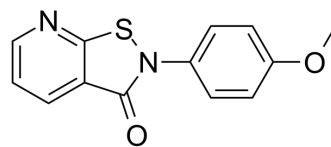


NSC 694621

Cat. No.:	HY-147288		
CAS No.:	104857-29-6		
Molecular Formula:	C ₁₃ H ₁₀ N ₂ O ₂ S		
Molecular Weight:	258.3		
Target:	Histone Acetyltransferase		
Pathway:	Epigenetics		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 3.33 mg/mL (12.89 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
1 mM		3.8715 mL	19.3573 mL	38.7147 mL
5 mM		0.7743 mL	3.8715 mL	7.7429 mL
10 mM		0.3871 mL	1.9357 mL	3.8715 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

NSC 694621 is a potent PCAF inhibitor, with an IC₅₀ of 5.71 μM (PCAF/H3₁₋₂₁). NSC 694621 exhibits good activity of inhibiting the proliferation of cancer cells^[1].

IC₅₀ & Target

IC₅₀: 5.71 μM (PCAF/H3₁₋₂₁)^[1].

In Vitro

NSC 694621 (25 μM; 72 h) exhibits antiproliferative effect to SK-N-SH and HCT116 cells^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.
Cell Proliferation Assay^[1]

Cell Line:	SK-N-SH, HCT116 cells
Concentration:	25 μM
Incubation Time:	72 h

Result:	Showed antiproliferative effect to SK-N-SH and HCT116 cells with GI ₅₀ of 19.2 μM and growth inhibition of 29%, respectively.
---------	--

REFERENCES

[1]. Furdas SD, et al. Synthesis and biological testing of novel pyridisothiazolones as histone acetyltransferase inhibitors. Bioorg Med Chem. 2011 Jun 15;19(12):3678-89.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA