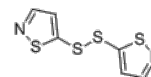


Product Name : NU9056
Cat. No. : PC-72238
CAS No. : 1450644-28-6
Molecular Formula : C₆H₄N₂S₄
Molecular Weight : 232.352
Target : Histone Acetyltransferase (HAT)
Solubility : 10 mM in DMSO



Biological Activity

NU9056 (NU 9056) is a specific **Tip60 (KAT5)** histone acetyltransferase inhibitor with IC₅₀ of <2 μM. NU9056 displays 16.5-, 29- and >50-fold for selectivity for Tip60 over PCAF, p300 and GCN5, respectively. NU9056 (0-40 μM) decreased levels of acetylated histone H4K16, H3K14 and H4K8, targets for Tip60-mediated acetylation in treated LNCaP cells, also decreased acetylated tubulin in LNCaP cells (24 μM NU9056, 24 hours). NU9056 reduces PSA and p53 protein levels, reduces LNCaP cell survival by inducing apoptosis, inhibits Tip60 accumulation and ATM phosphorylation in response to ionising radiation.

References

- Coffey K, et al. *PLoS One*. 2012;7(10):e45539.
Tan CS, et al. *Mol Neurobiol*. 2016 Aug;53(6):3854-3872.
Parira T, et al. *Sci Rep*. 2017 Sep 11;7(1):11236.
Simpson S, et al. *Front Microbiol*. 2018 Apr 24;9:788.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com