

Certificate of Analysis

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Product Name: NU 9056

Catalog No.: 4903

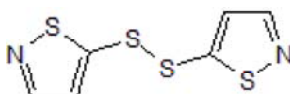
Batch No.: 5

CAS Number: 1450644-28-6

IUPAC Name: 5-(1,2-Thiazol-5-yl)disulfanyl-1,2-thiazole

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₆ H ₄ N ₂ S ₄
Batch Molecular Weight:	232.37
Physical Appearance:	Clear liquid
Solubility:	Soluble in DMSO (supplied pre-dissolved in DMSO, 10mg/ml)
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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CAS Number: 1450644-28-6

IUPAC Name: 5-(1,2-Thiazol-5-yl)disulfanyl-1,2-thiazole

Description:

Selective KAT5 (Tip60) histone acetyltransferase inhibitor (IC₅₀ values are < 2, 60, 36, and >100 µM for KAT5, p300, pCAF and GCN5, respectively). Inhibits protein acetylation in prostate cancer cell lines and blocks DNA damage response. Decreases proliferation of LNCaP cells; induces apoptosis via caspase activation.

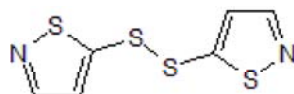
Physical and Chemical Properties:

Batch Molecular Formula: C₆H₄N₂S₄

Batch Molecular Weight: 232.37

Physical Appearance: Clear liquid

Batch Molecular Structure:



Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

Soluble in DMSO (supplied pre-dissolved in DMSO, 10mg/ml)

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Coffey et al (2012) Characterisation of a Tip60 specific inhibitor, NU9056, in prostate cancer. PLoS One 7 e45539. PMID: 23056207.

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