

Product Data Sheet

Product Name: NSC-311068

Cat. No.: GC73888

Chemical Properties

Cas. No. 73768-68-0

Formula $C_{10}H_6N_4O_4S$ M.Wt 278.24

Solubility DMSO : 25 mg/mL (89.85 mM; Need ultrasonic) Storage -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

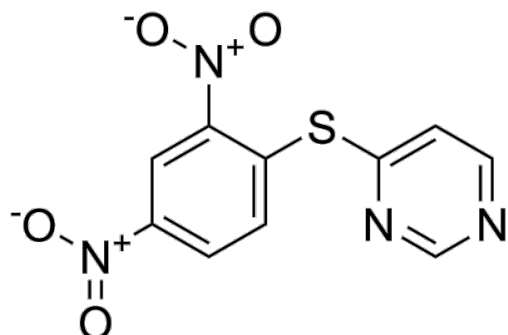
Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Structure



Background

NSC-311068 is TET1 inhibitor. NSC-311068 selectively suppress TET1 transcription and 5-hydroxymethylcytosine (5hmC) modification. NSC-311068 represses the level of TET1 expression and the global 5hmC level. NSC-311068 effectively inhibits cell viability in AML cells with high expression of TET1.

References:

[1]. Jiang X, et al. Targeted inhibition of STAT/TET1 axis as a therapeutic strategy for acute myeloid leukemia. Nat Commun. 2017 Dec 13;8(1):2099.

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