

Product Data Sheet

Product Name: DLG-41
Cat. No.: GC79151

Chemical Properties

Cas. No.

Formula $C_{32}H_{35}N_5O_3S_2$ M.Wt 601.78

Solubility DMSO: 100 mg/mL (166.17 mM; Storage Store at -20°C
Need ultrasonic)

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.

Structure



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

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Background

DLG-41 is a GAS41 YEATS domain inhibitor (IC_{50} : 600 nM in AlphaLISA). DLG-41 potently disrupts the association of GAS41 YEATS with chromatin in cells. DLG-41 strongly enhances levels of CDKN1A. DLG-41 has anticancer activity against NSCLC [1].

References:

[1]. Listunov D, et al. Discovery and Development of a Small-Molecule Inhibitor Targeting the GAS41 YEATS Domain in Nonsmall Cell Lung Cancer. J Med Chem. 2025 Dec 11;68(23):25324-25351.

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