

PLX-3618

Chemical Properties

CAS No. : 2851986-76-8

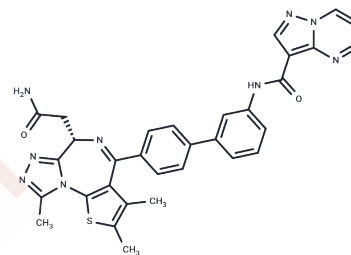
Formula: C32H27N9O2S

Molecular Weight: 601.68

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	PLX-3618 is an effective BRD4 molecular glue degrader (DC50=12.2 nM) that recruits the E3 ligase substrate receptor DCAF11, promoting BRD4 polyubiquitination and proteasomal degradation to induce apoptosis in AML cells.
Targets(IC50)	Apoptosis, Epigenetic Reader Domain, Molecular Glues, PROTACs

Solubility Information

Solubility	DMSO: 80 mg/mL (132.96 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.662 mL	8.3101 mL	16.6201 mL
5 mM	0.3324 mL	1.662 mL	3.324 mL
10 mM	0.1662 mL	0.831 mL	1.662 mL
50 mM	0.0332 mL	0.1662 mL	0.3324 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Parker GS, et al., Discovery of Monovalent Direct Degraders of BRD4 That Act Via the Recruitment of DCAF11. Mol Cancer Ther. 2024 Jun 22.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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