

PT-129

## Chemical Properties

CAS No. :

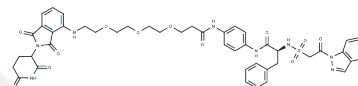
Formula: C<sub>46</sub>H<sub>48</sub>N<sub>8</sub>O<sub>12</sub>S

Molecular Weight: 936.98

Store at low temperature

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	PT-129 is a PROTAC degrader targeting the NTF2 domain of G3BP1/2, capable of inhibiting and degrading stress granules in stressed cells, disrupting ATF4 trafficking, and suppressing fibroblast-mediated cancer cell proliferation.
Targets(IC50)	GTPase, PROTACs

## Solubility Information

Solubility	DMSO: 80 mg/mL (85.38 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	1.0673 mL	5.3363 mL	10.6726 mL
5 mM	0.2135 mL	1.0673 mL	2.1345 mL
10 mM	0.1067 mL	0.5336 mL	1.0673 mL
50 mM	0.0213 mL	0.1067 mL	0.2135 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

Dong T, et al. G3BP1/2-Targeting PROTAC Disrupts Stress Granules Dependent ATF4 Migracytosis as Cancer Therapy. J Am Chem Soc. 2025 Jan 8;147(1):446-461.

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