

SMIP34

Chemical Properties

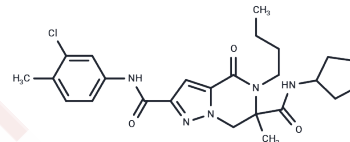
CAS No. : 1189710-20-0

Formula: C₂₅H₃₂ClN₅O₃

Molecular Weight: 486.01

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	SMIP34 is an inhibitor of PELP1, binding to this target with a dissociation constant (Kd) of 37.4 μ M. It demonstrates efficacy in inhibiting the proliferation of cancer cells and tumor progression. Specifically, SMIP34 is effective in breast cancer research, showing activity against wild-type (WT), mutant (MT) estrogen receptor-positive (ER+), and treatment-resistant (TR)-ER+ breast cancers.
Targets(IC50)	Apoptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0576 mL	10.2879 mL	20.5757 mL
5 mM	0.4115 mL	2.0576 mL	4.1151 mL
10 mM	0.2058 mL	1.0288 mL	2.0576 mL
50 mM	0.0412 mL	0.2058 mL	0.4115 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286

E_mail: info@targetmol.com

Address: 34 Washington Street, Wellesley Hills, MA 02481