ReACp53

Catalog No.C13249 Batch:C1324903

Product Datasheet

Technical Data

Formula	$C_{108}H_{206}N_{52}O_{24}$		
Molecular Weight	2617.13	**CAS No.**	unknown
Solubility (25°C)*	In vitro	Water	100 mg/mL (38.2 mM)

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Capsid Bio tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.
* Room temperature shipping (Stability testing shows this product can be shipped at 2-8°C for storage purposes.)

Preparing Stock Solutions

Concentration \ Volume / Mass	1 mg	5 mg	10 mg
1 mM	0.3821 mL	1.9105 mL	3.8210 mL
5 mM	0.0764 mL	0.3821 mL	0.7642 mL
10 mM	0.0382 mL	0.1910 mL	0.3821 mL
50 mM	-	-	-

Biological Activity

Description	ReACp53 is a cell-penetrating peptide, designed to inhibit **p53 amyloid formation**, resues p53 function in cancer cell lines and in organoids derived from high-grade serous ovarian carcinomas (HGSOC).
Targets	p53 amyloid formation [1]
In vitro	ReACp53 rescues p53 transcription of target genes and restores apoptosis. Rescued p53 behaves similarly to its wild-type counterpart in regulating target genes, reducing cell proliferation and increasing cell death[1].
In vivo	ReACp53 halts progression and shrinks tumors bearing aggregation-prone p53[1].

Protocol (from reference)

Cell Assay:[1]

- **Cell lines**
  S1 GODL cells
- **Concentrations**
  5 μM
- **Incubation Time**
  16 h
- **Method**
  Cells were treated with various concentrations of drug for 16 h.

References

https://pubmed.ncbi.nlm.nih.gov/26748848/

RETURN POLICY

Capsid Bio's Unconditional Return Policy ensures a smooth online shopping experience for our customers. If you are in any way unsatisfied with your purchase, you may return any item(s) within 7 days of receiving it. In the event of product quality issues, either protocol related or product related problems, you may return any item(s) within 365 days from the original purchase date. Please follow the instructions below when returning products.

SHIPPING & STORAGE

Capsid Bio products are transported at room temperature. If you receive the product at room temperature, please rest assured, the Capsid Bio Quality Inspection Department has conducted experiments to verify that the normal temperature placement of one month will not affect the biological activity of powder products. After collecting, please store the product according to the requirements described in the datasheet. Most Capsid Bio products are stable under the recommended conditions.

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