

Lamin fragment

Chemical Properties

| | |
|-------------------|--|
| CAS No.: | TP2182 |
| Formula: | C ₄₇ H ₇₆ N ₁₂ O ₁₂ |
| Molecular Weight: | 1001.18 |
| Appearance: | N/A |
| Storage: | 0-4°C for short term (days to weeks), or -20°C for long term (months). |

Biological Description

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| Description | Lamin fragment has a peptide sequence of Lys-Ala-Gly-Gln-Val-Val-Thr-Ile-Trp. Lamin polypeptides have an almost complete α -helical conformation with multiple α -helical domains separated by non- α -helical linkers that are highly conserved in length and amino acid sequence. Nuclear lamins are intermediate filament-type proteins that are the major building blocks of the nuclear lamina, a fibrous proteinaceous meshwork underlying the inner nuclear membrane. Lamins can also be localized in the nuclear interior, in a diffuse or spotted pattern. Lamins also play roles in DNA replication, chromatin organization, the spatial arrangement of nuclear pore complexes, nuclear growth, and anchorage of nuclear envelope proteins. |
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Solubility Information

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| Solubility | DMSO: ≥ 100.1 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble) |
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Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|----------|----------|----------|
| 1 mM | 0.999 mL | 4.994 mL | 9.988 mL |
| 5 mM | 0.2 mL | 0.999 mL | 1.998 mL |
| 10 mM | 0.1 mL | 0.499 mL | 0.999 mL |
| 50 mM | 0.02 mL | 0.1 mL | 0.2 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

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