

prostate apoptosis response protein PAR-4 (2-7) [Homo sapiens]

Chemical Properties

CAS No.:	T23189
Formula:	C26H41N9O9
Molecular Weight:	623.66
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Prostate apoptosis response protein PAR-4 (2-7) [Homo sapiens] is a peptide with the sequence H2N-Ala-Thr-Gly-Gly-Tyr-Arg-OH, MW= 623.66.
In vitro	Prostate apoptosis response-4 (Par-4) is a human gene coding for a tumor-suppressor protein that induces apoptosis in cancer cells, but not in normal cells. The tumor suppressor PAR-4 represses and activates transcription. The protein encoded by this gene is a PAR-4-interacting protein that itself functions as a transcriptional repressor. It contains a putative leucine zipper domain that interacts with the zinc finger DNA binding domain of PAR-4. This protein is specifically upregulated during apoptosis of prostate cells [1].
In vivo	The active domain of the Par-4 protein has been found to confer cancer resistance in transgenic mice without compromising normal viability or aging and may have therapeutic significance [2].

Solubility Information

Solubility	DMSO: ≥62.3mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.603 mL	8.017 mL	16.034 mL
5 mM	0.321 mL	1.603 mL	3.207 mL
10 mM	0.16 mL	0.802 mL	1.603 mL
50 mM	0.032 mL	0.16 mL	0.321 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

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481