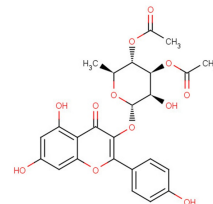


SL 0101-1

Chemical Properties

CAS No.:	77307-50-7
Formula:	C ₂₅ H ₂₄ O ₁₂
Molecular Weight:	516.45
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	SL 0101-1 is a cell-permeable, selective, reversible, ATP-competitive p90 Ribosomal S6 Kinase inhibitor (IC ₅₀ : 89 nM). It shows proliferation inhibition in human breast cancer cell line MCF-7 and produces a cell cycle block in G1 phase.
Targets(IC ₅₀)	RSK: 89 nM

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.936 mL	9.681 mL	19.363 mL
5 mM	0.387 mL	1.936 mL	3.873 mL
10 mM	0.194 mL	0.968 mL	1.936 mL
50 mM	0.039 mL	0.194 mL	0.387 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.

Reference

1. Smith JA, et al. Identification of the first specific inhibitor of p90 ribosomal S6 kinase (RSK) reveals an unexpected role for RSK in cancer cell proliferation. Cancer Res. 2005 Feb 1;65(3):1027-34.

Inhibitors · Natural Compounds · Compound Libraries

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