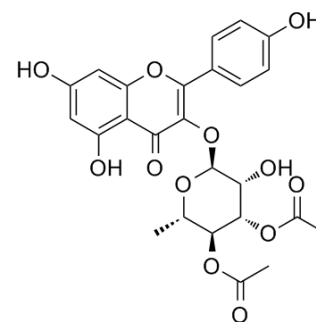


SL 0101-1

Cat. No.:	HY-15237		
CAS No.:	77307-50-7		
Molecular Formula:	C ₂₅ H ₂₄ O ₁₂		
Molecular Weight:	516.45		
Target:	Ribosomal S6 Kinase (RSK)		
Pathway:	MAPK/ERK Pathway		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	SL 0101-1 (SL0101), a kaempferol glycoside, isolated from the tropical plant <i>F. refracta</i> , is a cell-permeable, selective, reversible, ATP-competitive p90 Ribosomal S6 Kinase (RSK) inhibitor, with an IC₅₀ of 89 nM. Shows proliferation inhibition in human breast cancer cell line MCF-7 and produces a cell cycle block in G ₁ phase ^[1] .
IC ₅₀ & Target	IC ₅₀ : 89 nM (RSK) ^[1] .

REFERENCES

[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.

Caution: Product has not been fully validated for medical applications. For research use only.

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