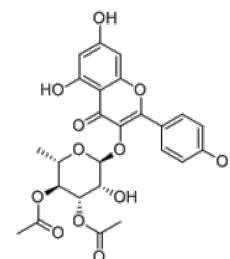


Product Name : SL0101
Cat. No. : PC-70183
CAS No. : 77307-50-7
Molecular Formula : C₂₅H₂₄O₁₂
Molecular Weight : 516.46
Target : Ribosomal S6 Kinase (RSK)
Solubility : 10 mM in DMSO



Biological Activity

SL0101 (SL 0101-1) is the first specific inhibitor of **RSK** (p90 ribosomal S6 kinase) with IC₅₀ of 89 nM for RSK2. SL0101 does not inhibit upstream kinases such as MEK, Raf and PKC. SL0101 inhibits the growth of MCF-7 human breast cancer cells with no effect on the normal breast cell line.

References

- Smith JA, et al. *Cancer Res.* 2005 Feb 1;65(3):1027-34.
Flynn JM, et al. *Am J Physiol Endocrinol Metab.* 2008 Mar;294(3):E589-99.
Harada K, et al. *J Biol Chem.* 2010 Jul 30;285(31):24044-54.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com