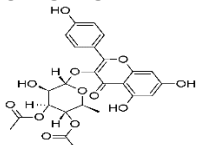


PRODUCT: SL0101**ALTERNATE NAMES:** 3-[(3,4-Di-O-acetyl-6-deoxy- α -L-mannopyranosyl)oxy]-5,7-dihydro-2-(4-hydroxyphenyl)-4H-1benzopyran-4-one**CATALOG NUMBER:** B1895-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₅H₂₄O₁₂**MOLECULAR WEIGHT:** 516.46**CAS NUMBER:** 77307-50-7**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO (~ 5 mg/ml)**PURITY:** \geq 98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** SL0101 is a potent and selective inhibitor of ribosomal S6 kinase (RSK) (IC₅₀ = 89 nM for RSK2). Does not have any effect on upstream kinases such as MEK, Raf and PKC. Inhibits the growth of MCF-7 human breast cancer cells with no effect on the normal breast cell line.**REFERENCES:** Gawecka, J.E., *et al.* (2012). *J. Biol. Chem.* **287**, 43424-43437.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**BI-D1870 (**1924**)LJH685 (**B1232**)LJI-308 (**B1233**)PF-4708671 (**9460**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**