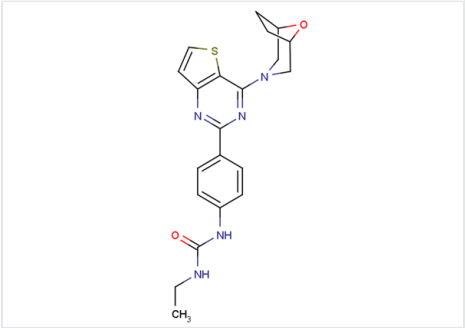
mTOR Inhibitor – Inhibitor 9b

PRODUCT OVERVIEW

Product Name	mTOR Inhibitor 9b, Inhibitor
Full Product Name	mTOR Inhibitor 9b
Product Gene Name	mTOR, inhibitor
Purity/Purification	99.53%
Preparation and Storage	Powder: -20 degree C for 3 years | In solvent: -80 degree C for 1 year
Molecular Weight	409.5
SMILES	N(C(NCC)=O)C1=CC=C(C2=NC(=C3C(=N2)C=CS3)N4CC5OC(C4)CC5)C=C1
Formula	C21H23N5O2S
Solubility	DMSO: 15 mg/mL (36.63 mM), Sonication is recommended.
CAS Number	1144075-34-2
Targets&IC50	PIK3CA: 1.262uM
Related Product Information for mTOR, inhibitor	mTOR Inhibitor 9b is an enzyme Inhibitor of protein kinase mTOR he phosphatidylinositol 3-kinase PIK3CA with IC50s of 0.76 nm and 1.262uM, respectively.mTOR Inhibitor 9b possesses anticancer activity and can be used to study leukemia, skin, breast, lung and colon cancers.
Other Notes	Small volumes of mTOR, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for mTOR purchase	MBS5810299 is an inhibitor targeting mTOR. Also known as mTOR Inhibitor 9b.



Structure of mTOR, inhibitor

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for mTOR. It may not necessarily be applicable to this product.

Protein Family	Serine/threonine-protein kinase
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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