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DATASHEET

KU 0063794

Product overview

Name	KU 0063794
Cat No	HB2250
Biological action	Inhibitor
Purity	>97%
Description	Potent, selective mTOR inhibitor

Biological Data

Biological description	Potent and selective mTOR inhibitor ($IC_{50} = \sim 10$ nM at mTORC1 and mTORC2). Shows little activity at 76 other protein kinases or 7 lipid kinases. Cell permeable. Suppresses cell viability and growth and by inducing cell cycle arrest and autophagy.
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Solubility & Handling

Storage instructions	Room temperature
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	<i>rel</i> -5-[2-[(2 <i>R</i> ,6 <i>S</i>)-2,6-dimethyl-4-morpholinyl]-4-(4-morpholinyl)pyrido[2,3- <i>d</i>]pyrimidin-7-yl]-2-methoxybenzenemethanol
Molecular Weight	465.54
Chemical structure	
Molecular Formula	C ₂₅ H ₃₁ N ₅ O ₄
CAS Number	938440-64-3
PubChem identifier	16736978
SMILES	<chem>OCC1=C(OC)C=CC(C3=NC2=NC(N5C[C@@H](C)O[C@@H](C)C5)=NC(N4CCOCC4)=C2C=C3)=C1</chem>
InChiKey	RFSMUFRPPYDYRD-CALCHBBNSA-N