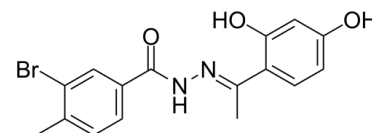


Data Sheet

Product Name:	mTOR inhibitor-1
Cat. No.:	CS-0067951
CAS No.:	468747-17-3
Molecular Formula:	C ₁₆ H ₁₅ BrN ₂ O ₃
Molecular Weight:	363.21
Target:	Autophagy; mTOR
Pathway:	Autophagy; PI3K/Akt/mTOR
Solubility:	DMSO : 83.33 mg/mL (229.43 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

mTOR inhibitor-1 is a novel **mTOR pathway** inhibitor which can suppress cells proliferation and inducing autophagy. IC₅₀ & Target: mTOR^[1]

References:

[1]. Liu J, et al. In Silico Discovery of a Small Molecule Suppressing Lung Carcinoma A549 Cells Proliferation and Inducing Autophagy via mTOR Pathway Inhibition. Mol Pharm. 2018 Nov 5;15(11):5427-5436.

CAIndexNames:

Benzoic acid, 3-bromo-4-methyl-, 2-[1-(2,4-dihydroxyphenyl)ethynylidene]hydrazide

SMILES:

O=C(N/N=C(C1=CC=C(O)C=C1O)\C)C2=CC=C(C)C(Br)=C2

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

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