

Insecticidal agent 364

Cat. No.:	OB0225LY-0440
Appearance:	Solid
Purity:	≥98%
Identity:	Confirmed by HPLC.
Size:	5 mg; 10 mg; 25 mg; 50 mg; 100 mg

This product is for research use only and is not intended for diagnostic use.

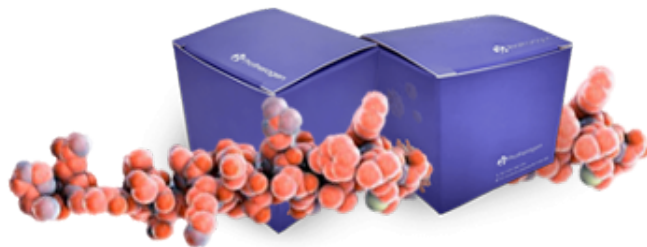
Product Overview

Description	Insecticidal agent 364 is a selective small molecule inhibitor of rapamycin kinase target protein with antitumor activity.
Synonym	Antiparasitic agent-23; 556055-08-4; 1-(2,3-Dihydrobenzo[b][1,4]dioxin-6-yl)-2-(4-phenyl-5-(pyridin-4-yl)-4H-1,2,4-triazol-3-yl)thio)ethan-1-one
CAS No.	556055-08-4
Compound CID	4783347
Formula	C ₂₃ H ₁₈ N ₄ O ₃ S
Formula Weight	430.48

Specification

IUPAC Name	1-(2,3-Dihydro-1,4-benzodioxin-6-yl)-2-[(4-phenyl-5-pyridin-4-yl-1,2,4-triazol-3-yl)sulfanyl]ethanone
InChI	InChI=1S/C23H18N4O3S/c28-19(17-6-7-20-21(14-17)30-13-12-29-20)15-31-23-26-25-22(16-8-10-24-11-9-16)27(23)18-4-2-1-3-5-18/h1-11,14H,12-13,15H2
InChI Key	OIMPJDPLMOKBGE-UHFFFAOYSA-N
SMILES string	C1COC2=C(O1)C=CC(=C2)C(=O)CSC3=NN=C(N3C4=CC=CC=C4)C5=CC=NC=C5
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Insecticidal agent 364 can be used to disrupt signaling pathways associated with cancer cell growth and survival, thus potentially inhibiting tumor growth.

Library Information



Targets	mTOR
Pathways	Autophagy; PI3K/Akt/mTOR signaling
Plate Number	AOCL-6
Plate Location	f7
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10 mM DMSO
DMSO Max Solubility	4.3 mg/mL; 10 mM