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Product Datasheet

PI-103

FBM-10-5406

Article Name	PI-103
Biozol Catalog Number	FBM-10-5406
Supplier Catalog Number	10-5406
Alternative Catalog Number	FBM-10-5406-5MG,FBM-10-5406-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	PI3K, mTOR and DNA-PK inhibitor...
Molecular Weight	348.36
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[371935-74-9]
Formula	C19H16N4O3
Application Notes	A potent inhibitor of PI-3 kinase, mTOR and DNA-PK, IC50 = 8, 88, 150, 48, 20, 83 and 2 nM for p110alpha, p110β, p110gamma, p110delta, mTORC1, mTORC2 and DNA-PK respectively. ^{1,2} Synergizes with arsenic disulfide to eradicate AML stem cells by induction of differentiation. ³ Inhibits the growth of gefitinib-resistant non-small cell lung cancer cell lines. ⁴ Induces autophagy in drug-resistant glioma. ⁵ Protects against a-synuclein-induced toxicity in human neurons by induction of macroautophagy. ⁶