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Product Datasheet

NVP-231

FBM-10-4694

Article Name	NVP-231
Biozol Catalog Number	FBM-10-4694
Supplier Catalog Number	10-4694
Alternative Catalog Number	FBM-10-4694-5MG,FBM-10-4694-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Ceramide kinase inhibitor...
Molecular Weight	431.55
Purity	98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[362003-83-6]
Formula	C ₂₅ H ₂₅ N ₃ O ₃ S
Application Notes	Reversible inhibitor of ceramide kinase (IC ₅₀ = 12 nM). ¹ At 10 nM, it inhibited ceramide-1-phosphate formation by >50% and at 100 nM it completely inhibited its formation in cell culture. NVP-231 was inactive against hSphK1/2, hPI3Ka, hPI4Kb, hVps34, hGCS, hSMS-1, CERT, and 500-fold less potent against hDAGKa. NVP-231 inhibited breast and lung cancer cell proliferation via M phase arrest. ² It potently blocked cell migration and invasion in PANC-1 pancreatic cancer cells ³ as well as MDA-MB-231 breast cancer cells ⁴ .