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Product Datasheet

NVP-231 FBM-10-4694

Artikelname	NVP-231
Artikelnummer	FBM-10-4694
Hersteller Artikelnummer	10-4694
Alternativnummer	FBM-10-4694-5MG,FBM-10-4694-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Ceramide kinase inhibitor...
Molekulargewicht	431.55
Reinheit	98% by HPLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[362003-83-6]
Formel	C ₂₅ H ₂₅ N ₃ O ₃ S
Anwendungsbeschreibung	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 .