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Product Datasheet

SGC-GAK-1, CAS [[2226517-76-4]] FBM-10-4796

Article Name	SGC-GAK-1, CAS [[2226517-76-4]]
Biozol Catalog Number	FBM-10-4796
Supplier Catalog Number	10-4796
Alternative Catalog Number	FBM-10-4796-10MG,FBM-10-4796-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Cyclin G Associated Kinase (GAK) inhibitor...
Molecular Weight	389.25
Purity	99% by HPLC NMR (Conforms)
Form	Pale yellow solid
CAS Number	[2226517-76-4]
Formula	C18H17BrN2O3
Application Notes	SGC-GAK-1 is a highly potent and selective inhibitor of cyclin G associated kinase (GAK), a member of the numb-associated kinase (NAK) family involved in membrane trafficking and sorting of proteins and is required for the maintenance of centrosome maturation and progression through mitosis. KD = 1.9 nM with >50-fold selectivity against a panel of 400 kinases. It also displayed affinity for RIPK2 (KD = 110 nM) and ADCK3 (KD = 190 nM). SGC-GAK-1 displayed potent cellular activity in HEK293T cells (IC50 = 120 nM) and showed strong growth inhibition in the prostate cancer cell lines LNCaP (IC50 = 0.65 µM) and 22Rv1 (IC50 = 0.17 µM).