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## Product Datasheet

**SGC-GAK-1**

**FBM-10-4796**

Artikelname	SGC-GAK-1
Artikelnummer	FBM-10-4796
Hersteller Artikelnummer	10-4796
Alternativnummer	FBM-10-4796-10MG,FBM-10-4796-50MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Cyclin G Associated Kinase (GAK) inhibitor...
Molekulargewicht	389.25
Reinheit	99% by HPLC NMR (Conforms)
Formulierung	Pale yellow solid
CAS Nummer	[2226517-76-4]
Formel	C <sub>18</sub> H <sub>17</sub> BrN <sub>2</sub> O <sub>3</sub>
Anwendungsbeschreibung	<p>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. <math>K_D = 1.9</math> nM with &gt;50-fold selectivity against a panel of 400 kinases. It also displayed affinity for RIPK2 (<math>K_D = 110</math> nM) and ADCK3 (<math>K_D = 190</math> nM). SGC-GAK-1 displayed potent cellular activity in HEK293T cells (<math>IC_{50} = 120</math> nM) and showed strong growth inhibition in the prostate cancer cell lines LNCaP (<math>IC_{50} = 0.65</math> <math>\mu</math>M) and 22Rv1 (<math>IC_{50} = 0.17</math> <math>\mu</math>M).</p>