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Product Datasheet

SPHINX31, CAS [[1818389-84-2]]
FBM-10-4376

Article Name	SPHINX31, CAS [[1818389-84-2]]
Biozol Catalog Number	FBM-10-4376
Supplier Catalog Number	10-4376
Alternative Catalog Number	FBM-10-4376-5MG,FBM-10-4376-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	SRPK1 inhibitor...
Molecular Weight	507.52
Purity	>98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[1818389-84-2]
Formula	C27H24F3N5O2
Application Notes	SPHINX31 is a potent (IC₅₀ = 5.9 nM) and selective inhibitor of serine/arginine-rich protein kinase 1 (SRPK1), a splice factor kinase involved in VEGF-A isoform formation and other alternative splicing events.¹ It displayed antiangiogenic effects in a mouse model of choroidal neovascularization¹ a rat model of diabetic retinopathy². SPHINX31 exhibited antitumor and synergistic (with cisplatin) effects in extranodal lymphoma cells.³ It was able to change splicing of programmed cell death receptor 1 (PD-1) to produce a more soluble form that prevented T cell exhaustion in a cancer model.⁴ It corrected BIN1, MCL-1, and BCL2 splicing errors in cholangiocarcinoma cells resulting in apoptosis of cancer cells.⁵