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Product Datasheet

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

Artikelname	SPHINX31, CAS [[1818389-84-2]]
Artikelnummer	FBM-10-4376
Hersteller Artikelnummer	10-4376
Alternativnummer	FBM-10-4376-5MG,FBM-10-4376-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	SRPK1 inhibitor...
Molekulargewicht	507.52
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	Off-white solid
CAS Nummer	[1818389-84-2]
Formel	C27H24F3N5O2

Anwendungsbeschreibung	SPHINX31 is a potent ($IC_{50} = 5.9 \text{ nM}$) 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
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