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Product Datasheet

LGK974, CAS [[1243244-14-5]] FBM-10-4381

Article Name	LGK974, CAS [[1243244-14-5]]
Biozol Catalog Number	FBM-10-4381
Supplier Catalog Number	10-4381
Alternative Catalog Number	FBM-10-4381-5MG,FBM-10-4381-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Porcupine inhibitor...
Molecular Weight	396.45
Purity	>98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[1243244-14-5]
Formula	C23H20N6O
Application Notes	LGK974 is a potent and selective inhibitor of Porcupine (IC₅₀ = 1 nM). Inhibits Wnt signaling (IC₅₀ = 0.4 nM) in vitro and in vivo.¹ It displays efficacy in several cancer models including glioblastoma^{2,6}, squamous cell³, renal cell carcinoma⁴, and non-small cell lung⁵. LGK974 reprogrammed the immune suppressive tumor microenvironment in a mouse model of glioblastoma to increase antitumor immune responses.⁶ It also potentiated anti-PD1 therapy by increasing DC3-like dendritic cells and decreasing myeloid suppressor cells. LGK974 attenuated myocardial ischemia-reperfusion injury by reducing inflammatory responses.⁷