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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	C <sub>23</sub> H <sub>20</sub> N <sub>6</sub> O
Application Notes	<p>LGK974 is a potent and selective inhibitor of Porcupine (IC<sub>50</sub> = 1 nM). Inhibits Wnt signaling (IC<sub>50</sub> = 0.4 nM) in vitro and in vivo.<sup>1</sup> It displays efficacy in several cancer models including glioblastoma<sup>2,6</sup>, squamous cell<sup>3</sup>, renal cell carcinoma<sup>4</sup>, and non-small cell lung<sup>5</sup>. LGK974 reprogrammed the immune suppressive tumor microenvironment in a mouse model of glioblastoma to increase antitumor immune responses.<sup>6</sup> 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.<sup>7</sup></p>