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## Product Datasheet

**IPI-549, CAS [[1693758-51-8]]**

**FBM-10-4827**

Article Name	IPI-549, CAS [[1693758-51-8]]
Biozol Catalog Number	FBM-10-4827
Supplier Catalog Number	10-4827
Alternative Catalog Number	FBM-10-4827-5MG,FBM-10-4827-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	PI3Kgamma inhibitor...
Molecular Weight	629.68
Purity	>98% by HPLC NMR (conforms)
Form	Pale yellow solid
CAS Number	[1693758-51-8]
Formula	C30H24N8O2
Application Notes	<p>IPI-549 is a potent and highly selective inhibitor of PI3K- in both biochemical (IC<sub>50</sub> = 16 nM) and cellular (IC<sub>50</sub> = 12.2 nM) assays.<sup>1</sup> Macrophage PI3K- has been found to be a critical switch between immune stimulation and suppression.<sup>2</sup> IPI-549 has been used to reshape tumor immune microenvironments and promote cytotoxic T-cell-mediated tumor regression. Resistance to immune checkpoint blockade in 4T1 and B16-GMCSF tumors was overcome when anti-PD-1 or anti-CTLA4 therapies were combined with PI3K inhibition via IPI-549.<sup>3</sup> IPI-549 mono-treatment also resulted in tumor growth inhibition in several cancer cell lines.<sup>3</sup> IPI-549 has also been shown to modulate P-glycoprotein-mediated multidrug resistance.<sup>4</sup></p>