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Product Datasheet

IPI-549, CAS [[1693758-51-8]] FBM-10-4827

Artikelname	IPI-549, CAS [[1693758-51-8]]
Artikelnummer	FBM-10-4827
Hersteller Artikelnummer	10-4827
Alternativnummer	FBM-10-4827-5MG,FBM-10-4827-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	PI3Kgamma inhibitor...
Molekulargewicht	629.68
Reinheit	>98% by HPLC NMR (conforms)
Formulierung	Pale yellow solid
CAS Nummer	[1693758-51-8]
Formel	C30H24N8O2

Anwendungsbeschreibung	IPI-549 is a potent and highly selective inhibitor of PI3K- in both biochemical ($IC_{50} = 16 \text{ nM}$) and cellular ($IC_{50} = 12.2 \text{ nM}$) assays.¹ Macrophage PI3K- has been found to be a critical switch between immune stimulation and suppression.² 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-549.³ IPI-549 mono-treatment also resulted in tumor growth inhibition in several cancer cell lines.³ IPI-549 has also been shown to modulate P-glycoprotein-mediated multidrug resistance.⁴
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