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Product Datasheet

Duvelisib FBM-10-4788

Artikelname	Duvelisib
Artikelnummer	FBM-10-4788
Hersteller Artikelnummer	10-4788
Alternativnummer	FBM-10-4788-5MG,FBM-10-4788-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	PI3K delta/gamma inhibitor...
Molekulargewicht	416.87
Reinheit	98% by HPLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[1201438-56-3]
Formel	C ₂₂ H ₁₇ CIN ₆ O

Anwendungsbeschreibung

Duvelisib (1201438-56-3) is a potent and selective (IC50s: PI3Kalpha = 1602nM, PI3Kbeta = 85nM, PI3Kdelta= 2.5nM, PI3Kgamma = 27nM) dual PI3Kdelta/gamma inhibitor.¹ It inhibits B and T cell proliferation, blocks neutrophil migration, and inhibits basophil activation. Duvelisib antagonizes B-cell receptor crosslinking activated pro-survival signals in primary chronic lymphocytic leukemia cells.² Duvelisib also shows preclinical/clinical activity against other hematologic malignancies such as Non-Hodgkins lymphoma, T-cell lymphoma, and others.^{3,4} Useful clinical agent for the treatment of various blood cancers. Low-dose treatment of T-cell-inflamed tumor models of head and neck cancers with Duvelisib enhanced responses to PD-L1 blockade via suppression of myeloid-derived suppressor cells.⁵ Higher doses reversed the effect due to suppression of tumor-infiltrating T lymphocytes