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Product Datasheet

Duvelisib, CAS [[1201438-56-3]]

FBM-10-4788

Article Name	Duvelisib, CAS [[1201438-56-3]]
Biozol Catalog Number	FBM-10-4788
Supplier Catalog Number	10-4788
Alternative Catalog Number	FBM-10-4788-5MG, FBM-10-4788-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	PI3K delta/gamma inhibitor...
Molecular Weight	416.87
Purity	98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[1201438-56-3]
Formula	C22H17ClN6O

Application Notes

Duvelisib (1201438-56-3) is a potent and selective (IC50s: PI3K α = 1602nM, PI3K β = 85nM, PI3K δ = 2.5nM, PI3K γ = 27nM) dual PI3K δ /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-Hodgkin's 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