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Product Datasheet

Pexidartinib, CAS [[1029044-16-3]] FBM-10-4829

Article Name	Pexidartinib, CAS [[1029044-16-3]]
Biozol Catalog Number	FBM-10-4829
Supplier Catalog Number	10-4829
Alternative Catalog Number	FBM-10-4829-5MG, FBM-10-4829-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	CSF1R inhibitor...
Molecular Weight	417.81
Purity	98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[1029044-16-3]
Formula	C20H15ClF3N5
Application Notes	Pexidartinib (1029044-16-3) is a potent and selective dual inhibitor of CSF1R (IC ₅₀ = 20nM) and c-KIT (IC ₅₀ = 10nM). ¹ Inhibition of CSF1R with Pexidartinib resulted in a reprogrammed immune microenvironment that fosters antitumor immunity in a CD8+ T-cell-dependent manner in a breast cancer model. ¹ CSF1R recruits tumor-infiltrating myeloid cell that suppress tumor immunity - Pexidartinib increased the efficacy of adoptive cell immunotherapy (ACT) in a mouse melanoma model by inhibiting the intratumoral accumulation of immunosuppressive macrophages. ^{2,3} It has also been shown to increase the efficacy of anti-PD-1 ^{4,5} and DC immunotherapy. ⁶