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Product Datasheet

BLZ945, CAS [[953769-46-5]] FBM-10-4979

Article Name	BLZ945, CAS [[953769-46-5]]
Biozol Catalog Number	FBM-10-4979
Supplier Catalog Number	10-4979
Alternative Catalog Number	FBM-10-4979-5MG,FBM-10-4979-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	CSF-1R inhibitor...
Molecular Weight	398.48
Purity	>98% by HPLC (NMR Conforms)
Form	Tan solid
CAS Number	[953769-46-5]
Formula	C20H22N4O3S
Application Notes	BLZ945 is a potent and brain-penetrant CSF-1R inhibitor (IC ₅₀ = 1 nM). ¹ It displayed significant antitumor effects in glioblastoma cells by altering the polarization of tumor-associated macrophages (TAMs). BLZ945 was shown to have significant antitumor effects in various cancer models via decreasing or reprogramming myeloid suppressor cells. ^{2,3,4} It reversed the epithelial to mesenchymal transition in an inflammatory breast cancer model. ⁵ BLZ945 modulated the tumor microenvironment in a lung cancer model by activating cross-talk between natural killer, T, and dendritic cells promoting antitumor immunity. ⁶