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Product Datasheet

BMS-1166 **FBM-10-4903**

Article Name	BMS-1166
Biozol Catalog Number	FBM-10-4903
Supplier Catalog Number	10-4903
Alternative Catalog Number	FBM-10-4903-1MG,FBM-10-4903-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	PD-1/PD-L1 inhibitor...
Molecular Weight	641.12
Purity	>98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[1818314-88-3]
Formula	C ₃₆ H ₃₃ CIN ₂ O ₇
Application Notes	BMS-1166 blocks the cell surface interaction of PD-L1 with PD-1 alleviating the inhibitory effect of PD-L1 on T-cell receptor-mediated activation of T-lymphocytes (IC ₅₀ = 1.4 nM). ^{1,2} It suppressed growth and invasion of glioma cells ³ and induced apoptosis in conjunction with the dual PI3K/mTOR inhibitor BEZ2354. BMS-1166 reversed HEL-mediated T cell suppression in acute myeloid leukemia patients. ⁵ It significantly decreased cell viability and enhanced chemotherapy-induced cytotoxicity in MDF-MB-231 and MCF-7 breast cancer models. ⁶