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## Product Datasheet

### **BMS-1166, CAS [[1818314-88-3]] FBM-10-4903**

Article Name	BMS-1166, CAS [[1818314-88-3]]
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 <sub>36</sub> H <sub>33</sub> CIN <sub>2</sub> O <sub>7</sub>
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 <sub>50</sub> = 1.4 nM). <sup>1,2</sup> It suppressed growth and invasion of glioma cells <sup>3</sup> 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. <sup>5</sup> It significantly decreased cell viability and enhanced chemotherapy-induced cytotoxicity in MDF-MB-231 and MCF-7 breast cancer models. <sup>6</sup>