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Product Datasheet

Motolimod FBM-10-4920

Article Name	Motolimod
Biozol Catalog Number	FBM-10-4920
Supplier Catalog Number	10-4920
Alternative Catalog Number	FBM-10-4920-5MG,FBM-10-4920-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	TLR8 agonist...
Molecular Weight	458.61
Purity	98% by HPLC NMR (Conforms)
Form	Off-white or pale yellow solid
CAS Number	[926927-61-9]
Formula	C28H34N4O2
Application Notes	Motolimod (926927-61-9) is a selective Toll-like receptor 8 (TLR8) agonist (EC50 = 100 nM). It stimulates the production of TNFalpha and IL-12 from monocytes and myeloid dendritic cells. Motolimod also stimulated IFNgamma production from NK cells and increased their toxicity against K562 and ADCC by rituximab and trastuzumab. ^{1,2} It induced apoptosis in monocytic myeloid-derived suppressor cells. ³ Motolimod is being investigated in combination with other cancer immunotherapies. ^{4,5} Motolimod has also been shown to induce secreted IL-1b and IL-8 via activation of the NLRP3 inflammasome. ⁶