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## Product Datasheet

### Motolimod, CAS [[926927-61-9]] FBM-10-4920

Article Name	Motolimod, CAS [[926927-61-9]]
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	C <sub>28</sub> H <sub>34</sub> N <sub>4</sub> O <sub>2</sub>
Application Notes	Motolimod (926927-61-9) is a selective Toll-like receptor 8 (TLR8) agonist (EC <sub>50</sub> = 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. <sup>1,2</sup> It induced apoptosis in monocytic myeloid-derived suppressor cells. <sup>3</sup> Motolimod is being investigated in combination with other cancer immunotherapies. <sup>4,5</sup> Motolimod has also been shown to induce secreted IL-1b and IL-8 via activation of the NLRP3 inflammasome. <sup>6</sup>