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## Product Datasheet

**Motolimod**  
**FBM-10-4920**

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Artikelname              | Motolimod                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Artikelnummer            | FBM-10-4920                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Hersteller Artikelnummer | 10-4920                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Alternativnummer         | FBM-10-4920-5MG,FBM-10-4920-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Hersteller               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Kategorie                | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Produktbeschreibung      | TLR8 agonist...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Molekulargewicht         | 458.61                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reinheit                 | 98% by HPLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Formulierung             | Off-white or pale yellow solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CAS Nummer               | [926927-61-9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Formel                   | C <sub>28</sub> H <sub>34</sub> N <sub>4</sub> O <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Anwendungsbeschreibung   | <p>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></p> |