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## Product Datasheet

### TJ-M2010-5 FBM-10-4919

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| Article Name               | TJ-M2010-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Biozol Catalog Number      | FBM-10-4919                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Supplier Catalog Number    | 10-4919                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Alternative Catalog Number | FBM-10-4919-5MG,FBM-10-4919-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Product Description        | MyD88 inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Molecular Weight           | 406.55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Purity                     | >98% by HPLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Form                       | White solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CAS Number                 | [1357471-57-8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Formula                    | C23H26N4OS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Application Notes          | TJ-M2010-5 is an inhibitor of the toll-like receptor(TLR)/adaptor molecule myeloid differentiation factor 88 (MyD88) signaling pathway, crucial for inflammation and associated with the development of many inflammation-related cancers. <sup>1</sup> It ameliorates ischemia-reperfusion injury in various organ models including brain <sup>2</sup> , liver <sup>3</sup> , and heart <sup>4</sup> . TJ-M2010-5 also suppressed proliferation, migration, and invasion in MCF-7 and MDA-MB-231 breast cancer cells. <sup>5</sup> It prevented colitis-associated colorectal cancer by impairing myeloid-derived suppressor cells. <sup>6</sup> |