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## Product Datasheet

### **MIF20, CAS [[1191288-81-9]]** **FBM-10-4393**

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| Article Name               | MIF20, CAS [[1191288-81-9]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Biozol Catalog Number      | FBM-10-4393                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Supplier Catalog Number    | 10-4393                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Alternative Catalog Number | FBM-10-4393-10MG,FBM-10-4393-50MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Product Description        | MIF agonist...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Molecular Weight           | 238.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purity                     | >98% by HPLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Form                       | Olive green solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CAS Number                 | [1191288-81-9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Formula                    | C13H10N4O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Application Notes          | MIF20 is a macrophage inhibitory factor (MIF) agonist (2.5 fold increase in MIF bound to its receptor 500 nM). <sup>1</sup> It augments MIF-dependent AMPK signaling and limits ischemic cardiac injury. MIF20 protected the heart from ischemia-reperfusion injury via MIF-mediated activation of AMPK. <sup>2</sup> It decreased infarct size and preserved systolic function. MIF20 also augments protective metabolic responses by reducing the NADH/NAD ratio leading to a decrease in the accumulation of reactive oxygen species. |