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## Product Datasheet

### IM-12 FBM-10-5125

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| Article Name               | IM-12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Biozol Catalog Number      | FBM-10-5125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Supplier Catalog Number    | 10-5125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Alternative Catalog Number | FBM-10-5125-5MG,FBM-10-5125-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Product Description        | GSK-3 $\beta$ inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Molecular Weight           | 377.41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Purity                     | 98% by HPLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Form                       | Yellow solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| CAS Number                 | [1129669-05-1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Formula                    | C22H20FN3O2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Application Notes          | A potent and selective inhibitor of glycogen synthase kinase 3 (GSK-3) IC50=53 nM which induces neuronal differentiation. <sup>1</sup> Activates the Wnt--catenin signaling pathway and attenuates tissue plasminogen activator-induced hemorrhagic transformation after acute ischemic stroke in animal models. <sup>2</sup> Promoted hair follicle growth in vitro and antagonized the inhibition of hair follicles by dihydrotestosterone. <sup>3</sup> Down-regulates Sox9 expression in limbal epithelial stem/progenitor cells leading to increased differentiation. <sup>4</sup> |