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## Product Datasheet

### WS6, CAS [[1421227-53-3]] FBM-10-5666

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| Article Name               | WS6, CAS [[1421227-53-3]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Biozol Catalog Number      | FBM-10-5666                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Supplier Catalog Number    | 10-5666                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Alternative Catalog Number | FBM-10-5666-5MG,FBM-10-5666-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Product Description        | Stimulates pancreatic beta-cell proliferation...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Molecular Weight           | 568.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity                     | >98% by HPLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Form                       | Off-white to beige solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CAS Number                 | [1421227-53-3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Formula                    | C29H31F3N6O3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Application Notes          | Stimulates human beta-cell proliferation both in a dispersed islet proliferation assay and in intact human cultures. <sup>1</sup> It has been shown to induce both alpha- and beta-cell proliferation. <sup>2</sup> May lead to the development of new therapeutics for diabetes. <sup>3</sup> Induces adult hippocampal neurogenesis correlating with its antidepressant effect in a rat model of chronic unpredictable mild stress-induced depression. <sup>4</sup> Has been used together with TTNPB and azakenpaullone, as a defined chemical cocktail to induce mouse totipotent stem cells. <sup>5</sup> Cell permeable. |