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## Product Datasheet

### **PF-06835919, CAS [[2102501-84-6]]** **FBM-10-3958**

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Article Name               | PF-06835919, CAS [[2102501-84-6]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Biozol Catalog Number      | FBM-10-3958                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Supplier Catalog Number    | 10-3958                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Alternative Catalog Number | FBM-10-3958-1MG,FBM-10-3958-5MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product Description        | Ketohexokinase inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Molecular Weight           | 356.35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Purity                     | >98% by HPLC, NMR (conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Form                       | White solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CAS Number                 | [2102501-84-6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Formula                    | C16H19F3N4O2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Application Notes          | PF-06835919 is a potent (IC <sub>50</sub> = 10 nM KHK-C, 170 nM KHK-A) inhibitor of ketohexokinase (KHK), the first enzyme in the fructose metabolic cascade. <sup>1</sup> It displayed high selectivity against other sugar kinases. PF-06835919 prevented hyperinsulinemia, hypertriglyceridemia, and hepatic steatosis in fructose-fed rats. <sup>2</sup> The increased tumor proliferation effect of fructose in CaSki cells was inhibited by PF-06835919. <sup>3</sup> An interesting new tool to study metabolic and fatty liver diseases. |