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## Product Datasheet

### Quizartinib, CAS [[950769-58-1]] FBM-10-4813

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Article Name               | Quizartinib, CAS [[950769-58-1]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Biozol Catalog Number      | FBM-10-4813                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Supplier Catalog Number    | 10-4813                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Alternative Catalog Number | FBM-10-4813-5MG,FBM-10-4813-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Product Description        | FLT3 inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Molecular Weight           | 560.67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Purity                     | 98% by HPLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Form                       | Off-white solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| CAS Number                 | [950769-58-1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Formula                    | C <sub>29</sub> H <sub>32</sub> N <sub>6</sub> O <sub>4</sub> S                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Application Notes          | Quizartinib is a potent and selective inhibitor of FLT3 (K <sub>d</sub> = 1.6nM, IC <sub>50</sub> = 0.56 nM MV4-11 cells). <sup>1</sup> It is in clinical trials for treatment of Acute Myelogenous Leukemia (AML). <sup>2,3</sup> Quizartinib priming resulted in prevention of myelosuppression in mice treated with 5-FU and Gemcitabine. <sup>4</sup> Quizartinib showed significant reversal of ABCG2-mediated multidrug resistance ( 3 μM) via antagonism of drug efflux function. <sup>5,6</sup> |