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## Product Datasheet

### AZD3965, CAS [[1448671-31-5]] FBM-10-4056

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| Article Name               | AZD3965, CAS [[1448671-31-5]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Biozol Catalog Number      | FBM-10-4056                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Supplier Catalog Number    | 10-4056                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Alternative Catalog Number | FBM-10-4056-5MG, FBM-10-4056-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Product Description        | MCT1 inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Molecular Weight           | 515.51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purity                     | 98% by HPLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Form                       | White solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| CAS Number                 | [1448671-31-5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Formula                    | C21H24F3N5O5S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Application Notes          | AZD3965 is a potent inhibitor (K <sub>i</sub> : 1.6 - 3.2 nM) of monocarboxylate transporter 1 (MCT1) with approximately 6-fold selectivity over MCT2.1 Active in multiple cancer models as monotherapy or in combination with other chemotherapeutics.2 AZD3965 improved CAR-T cell therapy against B-cell malignancies.3 It inhibited lipid biosynthesis and increased tumor infiltration of dendritic and natural killer cells.4 Combination therapy with immune checkpoint blockade suppressed lactate-mediated immunosuppression in the tumor microenvironment.5 |