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## Product Datasheet

### FB23-2, CAS [[2243736-45-8]] FBM-10-4852

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| Artikelname              | FB23-2, CAS [[2243736-45-8]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Artikelnummer            | FBM-10-4852                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Hersteller Artikelnummer | 10-4852                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Alternativnummer         | FBM-10-4852-5MG,FBM-10-4852-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Hersteller               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Kategorie                | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Produktbeschreibung      | FTO inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Molekulargewicht         | 392.24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Reinheit                 | 98% by HPLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Formulierung             | Off-white solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| CAS Nummer               | [2243736-45-8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Formel                   | C18H15Cl2N3O3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Anwendungsbeschreibung   | <p>FB23-2 is an inhibitor (<math>IC_{50} = 2.6 \mu M</math>) of the mRNA m6A demethylase fat-mass- and obesity-associated protein (FTO).<sup>1</sup> Displays significant anti-proliferative activity in NB4 (<math>IC_{50} = 0.8 \mu M</math>) and MONOMAC6 (<math>IC_{50} = 1.5 \mu M</math>) cells. Selective against the RNA demethylase ALKB5. FB23-2 induced myeloid differentiation and apoptosis in acute myeloid leukemia cells. FB23-2 suppressed the proliferation and migration of hepatocellular carcinoma cells via suppressing the expression of the kinase ERBB3 and human tubulin beta class Iva (TUBB4A).<sup>2</sup></p> |