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## Product Datasheet

**Aldometanib, CAS [[2904601-67-6]]**  
**FBM-10-4445**

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Artikelname              | Aldometanib, CAS [[2904601-67-6]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Artikelnummer            | FBM-10-4445                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Hersteller Artikelnummer | 10-4445                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Alternativnummer         | FBM-10-4445-5MG,FBM-10-4445-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Hersteller               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Kategorie                | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Produktbeschreibung      | Aldolase inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Molekulargewicht         | 593.46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Reinheit                 | >98% by TLC NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Formulierung             | White to off-white solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| CAS Nummer               | [2904601-67-6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Formel                   | C27H43Cl2IN2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Anwendungsbeschreibung   | <p>Aldometanib inhibits (IC<sub>50</sub> = 50 µM) aldolase by blocking its binding with fructose-1,6-bisphosphate (FBP).<sup>1</sup> It activates lysosomal AMPK and mimics a cellular state of glucose starvation. Aldometanib alleviated fatty liver and nonalcoholic steatohepatitis in mice and extended lifespan. It mitigated inflammation and oxidative stress damage in LPS-treated lung fibroblasts and also inhibited NLRP3-mediated pyroptosis.<sup>2</sup> Aldometanib inhibited hepatocellular carcinoma in mice in an AMPK-dependent manner.<sup>3</sup> It rebalanced the tumor microenvironment allowing cytotoxic CD8<sup>+</sup> T cells to infiltrate tumor cells.</p> |