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## Product Datasheet

### MS102 FBM-10-4937

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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Artikelname              | MS102                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Artikelnummer            | FBM-10-4937                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Hersteller Artikelnummer | 10-4937                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Alternativnummer         | FBM-10-4937-5MG,FBM-10-4937-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Hersteller               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Kategorie                | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Produktbeschreibung      | USP2 inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Molekulargewicht         | 596.44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Reinheit                 | >98% by HPLC NMR (conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Formulierung             | White solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Formel                   | C <sub>24</sub> H <sub>17</sub> BrF <sub>3</sub> N <sub>3</sub> O <sub>3</sub> S <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Anwendungsbeschreibung   | MS102 is an orally bioavailable derivative (IC <sub>50</sub> = 5.46 µM) of the USP2 inhibitor ML364. <sup>1</sup> It displayed improved USP2 inhibition efficacy and improved antiviral activity (SARS-CoV-2 HepG2 and Calu-3 cells) compared to ML364. Antiviral activity of MS102 is via inhibition of the deubiquitinase activity of USP2 on ACE2 resulting in reduction of ACE2 levels. MS102 significantly reduces V-domain Ig suppressor of T cell activation (VISTA) protein abundance in syngeneic mouse tumor models to enhance T cell response and synergizes with anti-PD-1 immunotherapy. <sup>2</sup> |