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## Product Datasheet

### MS102 FBM-10-4937

Article Name	MS102
Biozol Catalog Number	FBM-10-4937
Supplier Catalog Number	10-4937
Alternative Catalog Number	FBM-10-4937-5MG,FBM-10-4937-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	USP2 inhibitor...
Molecular Weight	596.44
Purity	>98% by HPLC NMR (conforms)
Form	White solid
Formula	C <sub>24</sub> H <sub>17</sub> BrF <sub>3</sub> N <sub>3</sub> O <sub>3</sub> S <sub>2</sub>
Application Notes	MS102 is an orally bioavailable derivative (IC <sub>50</sub> = 5.46 μM) of the USP2 inhibitor ML364.1 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>