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## Product Datasheet

### MS102 FBM-10-4937

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 ML364.1 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.2