

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### **HRO761, CAS [[2869954-34-5]]** **FBM-10-3981**

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | HRO761, CAS [[2869954-34-5]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Biozol Catalog Number      | FBM-10-3981                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Supplier Catalog Number    | 10-3981                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Alternative Catalog Number | FBM-10-3981-5MG,FBM-10-3981-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Product Description        | WRN helicase allosteric inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Molecular Weight           | 702.09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity                     | >98% by HPLC, NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form                       | Off-white solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CAS Number                 | [2869954-34-5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Formula                    | C31H31ClF3N9O5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Application Notes          | HRO761 is a potent (IC <sub>50</sub> = 9 nM), selective, non-covalent, and allosteric inhibitor of Werner syndrome RecQ helicase (WRN). <sup>1</sup> It binds to the D1 and D2 helicase domain interface locking it into the inactive state. HRO761 selectively inhibits microsatellite instable (MSI) cancer cells in vitro and in vivo via double-stranded DNA breaks, activation of the DDR, and induction of WRN degradation. It displayed synergistic effects with irinotecan in colorectal cancer cells. |