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## Product Datasheet

### **CBL0137, CAS [[1197996-80-7]] FBM-10-4026**

|                          |                                     |
|--------------------------|-------------------------------------|
| Artikelname              | CBL0137, CAS [[1197996-80-7]]       |
| Artikelnummer            | FBM-10-4026                         |
| Hersteller Artikelnummer | 10-4026                             |
| Alternativnummer         | FBM-10-4026-5MG,FBM-10-4026-25MG    |
| Hersteller               | Focus Biomolecules                  |
| Kategorie                | Biochemikalien                      |
| Produktbeschreibung      | FACT histone chaperone inhibitor... |
| Molekulargewicht         | 336.44                              |
| Reinheit                 | 98% by HPLC NMR (Conforms)          |
| Formulierung             | Pale yellow to off-white solid      |
| CAS Nummer               | [1197996-80-7]                      |
| Formel                   | C21H24N2O2                          |

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| Anwendungsbeschreibung | <p>CBL0137 is an anticancer agent that activates p53 and suppresses NF-<math>\kappa</math>B via trapping of the FACT (facilitates chromatin transcription) complex, an important histone chaperone that mediates nucleosome disassembly and reassembly and facilitates DNA transcription, replication, and repair.<sup>1,2</sup> Importantly, it is able to intercalate DNA and disrupt DNA/histone interactions without genotoxicity. CBL0137 inhibits the self-renewal of cancer stem cells via NOTCH1 activation.<sup>3</sup> CBL0137 downregulation of HSF1 and MYC(N) have also been demonstrated in animal models.<sup>4,5</sup> CBL0137 has also been shown to improve immunological tumor control via facilitating release of cytokines and chemokines attracting NK, CD8+, and CD4+ T cells.<sup>6</sup> CBL0137 was able to activate the Z-RNA sensor ZBP1 inducing necroptosis and reversing immune checkpoint blockage unresponsiveness in mouse models of melanoma.<sup>7</sup></p> |
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