

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

## Product Datasheet

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

Article Name	CBL0137, CAS [[1197996-80-7]]
Biozol Catalog Number	FBM-10-4026
Supplier Catalog Number	10-4026
Alternative Catalog Number	FBM-10-4026-5MG,FBM-10-4026-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	FACT histone chaperone inhibitor...
Molecular Weight	336.44
Purity	98% by HPLC NMR (Conforms)
Form	Pale yellow to off-white solid
CAS Number	[1197996-80-7]
Formula	C <sub>21</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub>

Application Notes

CBL0137 is an anticancer agent that activates p53 and suppresses NF- $\kappa$ 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>