


Certificate of Analysis

Catalog Number	BP10225
Product Name	CBL0137

Physical and Chemical Properties

Synonyms	Curaxin 137, CBLC137
CAS No.	1197996-80-7
Chemical Formula	C ₂₁ H ₂₄ N ₂ O ₂
Molecular Weight	336.435
Solubility	DMSO: ~5 mg/mL H ₂ O: InsolubL; E
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	CBL0137, a metabolically stable curaxin, activates p53 (EC ₅₀ : 0.37 μM) and inhibits NF-κB (EC ₅₀ : 0.47 μM). It functionally inactivates the facilitates chromatin transcription complex (FACT), driving the effects on p53 and NF-κB and promoting cancer cell death. CBL0137 has broad anticancer activity in mice when administered orally, eradicates drug-resistant cancer stem cells, and potentiates the efficacy of gemcitabine in preClinicalal models of pancreatic cancer.
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Targets&IC50	NF-κB: 0.47 μM (EC50), p53: 0.37 μM (EC50)
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Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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