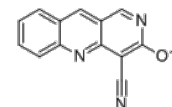


Product Name : CCB02
Cat. No. : PC-35881
CAS No. : 2100864-57-9
Molecular Formula : C₁₄H₉N₃O
Molecular Weight : 235.246
Target : Microtubule/Tubulin
Solubility : 10 mM in DMSO



Biological Activity

CCB02 (CCB 02) is a specific small molecule inhibitor of **CPAP-tubulin** interaction with IC₅₀ of 0.689 μM in AlphaScreen assay, selectively binds at the CPAP binding site of tubulin.

CCB02 does not inhibit a panel of cell cycle- and centrosome-related kinases.

CCB02 impairs proliferation of cells with centrosome amplification, activates extra centrosomes to nucleate enhanced numbers of microtubules prior to mitosis, causes cells to undergo centrosome de-clustering, prolonged multipolar mitosis, and cell death.

CCB02 demonstrates broad anti-invasive activity in various cancer models, including tyrosine kinase inhibitor (TKI)-resistant EGFR-mutant NSCLC.

References

Mariappan A, et al. *EMBO J.* 2018 Dec 10. pii: e99876. doi: 10.15252/emj.201899876.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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