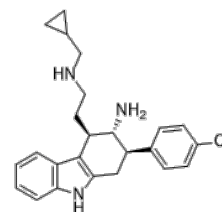


Product Name : UCM-13369
Cat. No. : PC-22442
CAS No. : 2921944-77-4
Molecular Formula : C₂₅H₃₁N₃O
Molecular Weight : 389.54
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 2921944-77-4

Biological Activity

UCM-13369 is a small molecule inhibitor of **nucleophosmin 1 (NPM1)**, inhibits NPM1 expression, downregulates the pathway associated with mutant NPM1 C+, inhibits tumorsphere growth of CSCs.

UCM-13369 binds specifically to the C-end domain of the C+ mutant protein.

UCM-13369 inhibits gene and mutant NPM1 C+ protein expression and restores nucleolar localization.

UCM-13369 has efficacy against AML cell lines and primary cells.

UCM-13369 triggers apoptosis in AML cell lines and primary cells from AML patients and reduces tumor infiltration in a mouse model of AML with NPM1 C+ mutation.

UCM-13369 (50 mg/kg, tail vein injection) shows efficacy against AML cells in vivo.

References

Sergio Algar, et al. **JACS Au**. 2024 Feb 9;4(5):1786-1800.

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

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