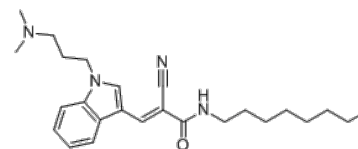


Product Name : Dynole 34-2
Cat. No. : PC-63240
CAS No. : 1128165-88-7
Molecular Formula : C₂₅H₃₆N₄O
Molecular Weight : 408.59
Target : Dynamain
Solubility : 10 mM in DMSO



Biological Activity

Dynole 34-2 is a potent **dynamain GTPase** inhibitor with IC₅₀ of 6.9 and 14.2 μM for full-length dynI and dynII GTPase activity, respectively.

Dynole 34-2 induces cytokinesis failure at the point of abscission, consistent with inhibition of dynamain while not affecting other cell cycle stages in cancer cell.

Dynole 34-2 disrupt midbody localization of calcineurin but not phospho-dynII and γ-tubulin, inhibits growth in a range of cancer cell lines with IC₅₀ of 4.0 to 36.7 μM in MTT assays.

Dynole 34-2 is a novel antimetabolic compound acting specifically at the abscission stage.

References

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Jackson J, et al. *Mol Psychiatry.* 2015 Jul;20(7):810-9.

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

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