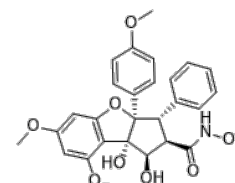


Product Name : CR-1-31-B
Cat. No. : PC-22415
CAS No. : 1352914-52-3
Molecular Formula : C₂₈H₂₉NO₈
Molecular Weight : 507.54
Target : Eukaryotic Initiation Factor (eIF)
Solubility : 10 mM in DMSO



CAS: 1352914-52-3

Biological Activity

CR-1-31-B (CR-31) is a potent and specific **eIF4A RNA helicase** inhibitor, blocks translation of the MUC1-C oncoprotein. CR-1-31-B (CR-31) is synergistic in suppressing the growth of these cancer cells in vitro and in vivo, when combined with CDK4/6 inhibitor palbociclib.

CR-1-31-B (CR-31) reduced the viability of pancreatic ductal adenocarcinoma (PDA) organoids.

CR-1-31-B (CR-31) suppresses tumour growth and extends survival of genetically-engineered murine models of PDA, also induced glutamine reductive carboxylation.

References

Jin C, et al. *Oncogene*. 2013 Apr 25;32(17):2179-88.

Kong T, et al. *Mol Cancer Ther*. 2019 Nov;18(11):2158-2170.

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

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