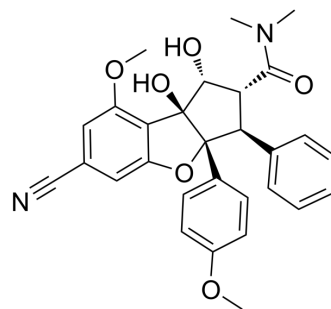


eIF4A3-IN-18

Cat. No.:	HY-148452
CAS No.:	1402931-84-3
Molecular Formula:	C ₂₉ H ₂₈ N ₂ O ₆
Molecular Weight:	500.54
Target:	Eukaryotic Initiation Factor (eIF)
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



BIOLOGICAL ACTIVITY

Description

eIF4A3-IN-18 (compound 74) is a [silvestrol](#) (HY-13251) analogue. eIF4A3-IN-18 interferes the assembling of eIF4F translation complex with EC₅₀ values of 0.8, 35 and 2 nM for myc-LUC, tub-LUC and the growth inhibition for MBA-MB-231 cells. eIF4A3-IN-18 also has cytotoxicity to RPMI-8226 cells with an LC₅₀ of 0.06 nM. eIF4A3-IN-18 can be used for the research of human cancer pathogenesis^[1].

REFERENCES

[1]. Liu T, et al. Synthetic silvestrol analogues as potent and selective protein synthesis inhibitors. J Med Chem. 2012 Oct 25;55(20):8859-78.

Caution: Product has not been fully validated for medical applications. For research use only.

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