



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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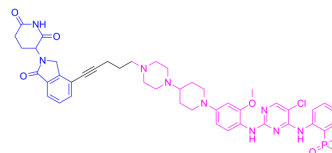
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SIAIS039

Cat. No.:	HY-159147
CAS No.:	2570251-69-1
Molecular Formula:	C ₄₆ H ₅₃ ClN ₉ O ₅ P
Molecular Weight:	878.4
Target:	PROTACs; ROS Kinase; Apoptosis
Pathway:	PROTAC; Protein Tyrosine Kinase/RTK; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SIAIS039 is an orally active c-ros oncogene 1 (ROS1)-specific PROTAC with DC ₅₀ s of 154.46 nM, 126.47 nM, 143.69 nM for HCC78 cells, Ba/F3 expressing the CD74-ROS1 fusion and Ba/F3 expressing the SDC4-ROS1 fusion, respectively. SIAIS039 suppresses cell proliferation, induces cell cycle arrest and apoptosis, and inhibits clonogenicity against ROS1-positive cells. SIAIS039 demonstrates anti-tumour effects against ROS1-driven tumor growth vivo. SIAIS039 is composed of the ALK inhibitor Brigatinib (HY-12857), a linker EM-12 (HY-138793), and a VHL ligand E3 ubiquitin ligase 1-Butyne (Red: Brigatinib; Blue: VHL ligand; Black: linker) ^[1] .
IC ₅₀ & Target	Cereblon

REFERENCES

[1]. Jiawen Yang, et al. Discovery of a first-in-class protein degrader for the c-ros oncogene 1 (ROS1). *Bioorg Chem.* 2024 Sep;150:107590.

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

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