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Produktinformation

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- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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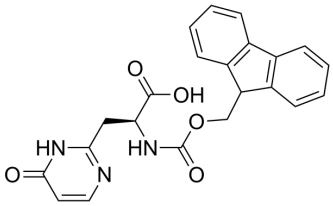
SPDZi1

Cat. No.:	HY-162510
Molecular Formula:	$C_{22}H_{19}N_3O_5$
Molecular Weight:	405.4
Target:	NF-κB
Pathway:	NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

SPDZi1 is a potent and selective syntenin inhibitor that binds to PDZ1 and PDZ2 domains of syntenin. SPDZi1 binds to the syntenin PDZ tandem (STNPDZ) with a K_d of 3.6 μM. SPDZi1 suppresses glioblastoma and reduces the activation of NF-κB, a downstream effector of syntenin[1].

In Vitro

SPDZi1 (Z3322068027; 20 μM; 24 h) inhibits human glioblastoma multiforme (GBM) cell proliferation while concurrently reducing the activation of NF-κB[1].

In glioblastoma organoids (GBOs), SPDZi1 effectively suppresses the growth of small GBOs[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Proliferation Assay[1]

Cell Line:	U87-MG
Concentration:	20 μM
Incubation Time:	24 h
Result:	Demonstrated a profound inhibitory effect on human GBM cell proliferation.

REFERENCES

[1]. Yunseok Heo, et al. Discovery of a potent inhibitor that suppresses glioblastoma by dual targeting of both syntenin PDZ domains. bioRxiv preprint. April 04, 2024.

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