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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PI3Kα-IN-23

Cat. No.: HY-163501

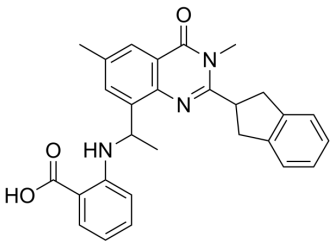
Molecular Formula: $C_{28}H_{27}N_3O_3$

Molecular Weight: 453.53

Target: PI3K; Akt

Pathway: PI3K/Akt/mTOR

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PI3Kα-IN-23 (Compound 9) is an inhibitor of PI3Ka H1047R[1].
IC_{50} & Target	PI3Kα-H1047R
In Vitro	PI3Kα-IN-23 inhibits pAKT phosphorylation in cell with IC_{50}=1 nM-500 nM (T-47D); >15 μM (SKBR3) ,respectively[1]. PI3Kα-IN-23 can inhibit cell proliferation with EC_{50}=500 nM-2 μM (T-47D); 2 μM-15 μM (SKBR3)[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Pharmacokinetic Analysis in PK-Mouse[1]

Route	Dose (mg/kg)	Cl (mL/min/kg)	AUC_{last} (h·ng/mL)	F (%)
i.v.	1	35.7	464	/
p.o.	10	/	1950	41

IV Vehicle: 20% PEG400 / 20% PG / 60% of 20% HPβCD solution in water

PO Vehicle: 30% SBE3CD in water

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

REFERENCES

[1]. James F et al. Preparation of ((4-oxo-3,4-dihydroquinazolin-8-yl)methyl)amine derivatives as PI3K inhibitors for the treatment of cancer. World Intellectual Property Organization, WO2024064024 A1 2024-03-28

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

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