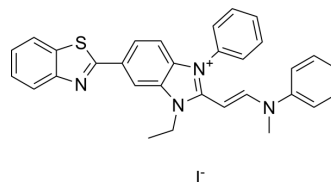


AKT inhibitor IV

| | |
|--------------------|---|
| Cat. No.: | HY-14971A |
| CAS No.: | 681281-88-9 |
| Molecular Formula: | C ₃₁ H ₂₇ IN ₄ S |
| Molecular Weight: | 614.54 |
| Target: | Akt |
| Pathway: | PI3K/Akt/mTOR |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|--------------------|--|
| Description | Akt inhibitor-IV (AKTIV) acts as a PI3K-Akt inhibitor at the E isomer (HY-14971), with potent cytotoxicity ^[1] . |
| In Vitro | (E)-Akt inhibitor-IV (compound 7) exhibits average GI ₂₀ of 0.04 μM on four cell lines (MDA-MB468 cells, MDA-MB231 cells, MCF7 cells and 184B5 cells) ^[1] . (E)-Akt inhibitor-IV shows little effects on the growth of 184B5 non-cancer cells at the average GI ₂₀ doses ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

[1]. Changkun Hu, et al. A 4-aminoquinoline derivative that markedly sensitizes tumor cell killing by Akt inhibitors with a minimum cytotoxicity to non-cancer cells. Eur J Med Chem. 2010 Feb;45(2):705-9.

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

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