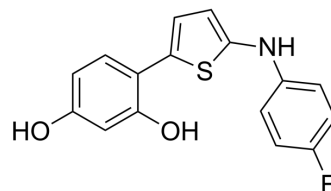


## FPDT

Cat. No.:	HY-147789
Molecular Formula:	C <sub>16</sub> H <sub>12</sub> FNO <sub>2</sub> S
Molecular Weight:	301.34
Target:	Akt
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

FPDT is an anti-glioblastoma agent. FPDT displays the IC<sub>50</sub> value of 45–68 μM for GBM cells and >100 μM for astrocytes. Anti-glioblastoma activity of FPDT is linked to downregulation of the AKT pathway<sup>[1]</sup>.

## REFERENCES

[1]. Szeliga M, et al. Design, synthesis and biological evaluation of novel 1,3,4-thiadiazole derivatives as anti-glioblastoma agents targeting the AKT pathway. *Bioorg Chem.* 2020;105:104362.

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

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