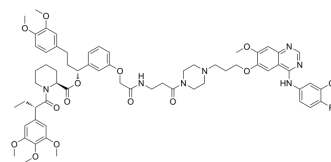


GePhos1

Cat. No.:	HY-161408
Molecular Formula:	C ₆₃ H ₇₅ ClFN ₇ O ₁₃
Molecular Weight:	1192.76
Target:	EGFR; Apoptosis
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	GePhos1, a EGFR-targeting PhosTAC (phosphorylation targeting chimera), induces EGFR dephosphorylation. GePhos1 induces apoptosis ^[1] .
In Vitro	GePhos1 displays profound EGFR dephosphorylation at both EGFR pY1068, which is one of the major EGFR autophosphorylation sites, and at pY845, a key site within the kinase loop ^[1] . GePhos1 (1 μM) induces apoptosis and cell death in HeLa cell ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zhenyi Hu, et al. EGFR targeting PhosTACs as a dual inhibitory approach reveals differential downstream signaling. *Sci Adv.* 2024 Mar 29;10(13):eadj7251.

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

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