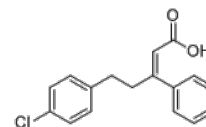


Product Name : PDK1 agonist PS48
Cat. No. : PC-73258
CAS No. : 1180676-32-7
Molecular Formula : C₁₇H₁₅ClO₂
Molecular Weight : 286.755
Target : PDK1
Solubility : 10 mM in DMSO



Biological Activity

PDK1 agonist PS48 is a small molecule allosteric phosphoinositide-dependent protein kinase-1 (**PDK-1**) agonist, PS48 is active at 10 nM to 1 μM in restoring normal insulin-dependent Akt activation and in mitigating Aβ_i peptide toxicity. PS48 restores Akt activation in β-amyloid expressing cells. PS48 partly restores the suppression of LTP by Aβ₄₂, inhibited Akt phosphorylation (Akt activation) and GSK3β phosphorylation (Akt activity).

References

Henry Querfurth, et al. *PLoS One*. 2022 Jan 21;17(1):e0261696.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com