

Product Name	: 740 Y-P(TFA)
Synonyms	: 740YPDGFR(TFA), PDGFR 740Y-P(TFA)
Cat No.	: M22770
CAS Number	: <input type="text"/>
Molecular Formula	: <input type="text"/>
Formula Weight	: <input type="text"/>
Chemical Name	: <input type="text"/>
Description	: 740 Y-P(TFA) is a potent and cell-permeable activator of PI3K. 740 Y-P is a synthetic biotinylated peptide. 740 Y-P stimulates mitogenesis at the lowest concentration tested (1 mg/mL). The peptide stimulates mitogenesis in both the presence and absence of serum (0.5%) and in the former instance, a maximal response observed at 50 mg/mL. 740Y-P peptide to stimulate mitogenesis is highly specific and not a general feature of a cell-permeable SH2 domain-binding peptide. 740Y-P is as effective as a growth factor (FGF2) at promoting neuronal cell survival via the established PI 3-kinase-Akt survival cascade. Stimulation of neuronal cell survival by the PDGFR740Y-P peptide is dose-dependent and does not require insulin.
Pathway	: PI3K/Akt/mTOR signaling
Target	: PI3K
Receptor	: PI3K
Solubility	: <input type="text"/>
SMILES	: <input type="text"/>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Derossi D, et al. Stimulation of mitogenesis by a cell-permeable PI 3-kinase binding peptide. Biochem Biophys Res Commun. 1998 Oct 9;251(1):148-52.