

Catalog Number: CM19943

### 产品信息

**Catalog Number:**  
CM19943

**CAS号:**  
TQ0003L1

**分子式:**  
 $C_{143}H_{226}N_{43}O_{41}PS_3$

**主要靶点:**  
PI3K

**主要通路:**  
PI3K/Akt/mTOR信号通路

**分子量:**  
3330.79

**溶解度:**  
H<sub>2</sub>O:83.3 mg/mL (25 mM),  
DMSO:83.3 mg/mL (25 mM)

740 Y-P  
acetate(1236188-16-1  
Free base)

### 靶点活性

PI3K:20  $\mu$  M

### 体外活性

740 Y-P TFA (1  $\mu$  g/mL) stimulates Mitosis at the lowest concentration tested. The peptide stimulates Mitosis in the presence and absence of serum (0.5%). In the former instance, The maximum reaction was observed at 50  $\mu$  g/mL. 740Y-P stimulation of Mitosis is highly specific, rather than the general characteristics of cell-permeable SH2 domain binding peptides. [1] 740 Y-P TFA (50  $\mu$  g/mL; 48 h) in the culture medium, the specific stimulation of Mitosis was superior to EGF or FGF in stimulating the entry of S phase, which showed that the percentage of S phase cells in C2 cells was 48.3%. In addition, LY294002 or wortmannin effectively inhibited the Mitosis response stimulated by the 740Y-P TFA peptide. [1] 740 Y-P TFA (30  $\mu$  M; 24 h) significantly inhibited the levels of LC3-II/LC3-I in GO induced PC12 cells. [2]

### 描述

740 Y-P acetate is a potent and cell-permeable PI3K activator. 740 Y-P acetate tends to bind to GST fusion proteins containing the N- and C-terminal SH2 structural domains of p85, but not to GST alone.

### 储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years