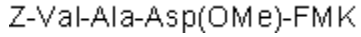
Z-VAD-FMK

Cat. No. 2163



Chemical Name: Benzyloxycarbonyl-Val-Ala-Asp(OMe)-fluoromethylketone

Biological Activity

Potent, selective, cell-permeable and irreversible inhibitor of phosphatidylinositol 3-kinase (PI 3-kinase) (IC_{50} = 2 - 4 nM). Also potently inhibits polo-like kinase 1 (PLK1) (IC_{50} = 5.8 nM).

Technical Data

M.Wt:	Soluble to 50 mM in DMSO and to 5 mM in ethanol
428.44	**Storage:**
Formula:	Desiccate at -20°C
$C_{23}H_{24}O_8$	**CAS No:**
Solubility:	19545-26-7

The technical data provided above is for guidance only.

For batch specific data refer to the Certificate of Analysis.

References

Arcaro and Wymann (1993) Wortmannin is a potent phophatidylinositol 3-kinase inhibitor: the role of phosphatidylinositol 3,4,5-trisphosphate in neutrophil responses. Biochem.J. ***296*** 297. PMID: 8257416.

Powis *et al* (1994) Wortmannin, a potent and selective inhibitor of phosphatidylinositol-3-kinase. Cancer Res. ***54***2419. PMID: 8162590.

Schultz *et al* (1995) *In vitro* and *in vivo* antitumor activity of the phosphatidylinositol-3-kinase inhibitor wortmannin. Anticancer Res. ***15*** 1135. PMID: 7653991.

Liu *et al* (2005) Wortmannin, a widely used phosphoinositide 3-kinase inhibitor, also potently inhibits mammalian polo-like kinase. Chem.Biol. ***12*** 99. PMID: 15664519.

If you know of a relevant citation for this product please let us know.

Keywords: Wortmannin, supplier, Potent, inhibitors, PLK1, PI, 3-kinase, irreversible, Polo-like, Kinases, PI3K, Mitosis, Phosphoinositide, SL2052

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