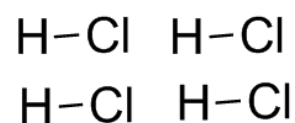
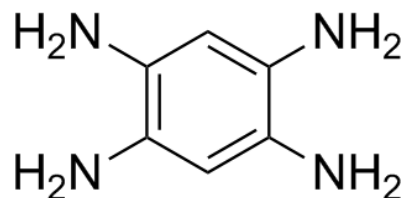


Product Name : Y15
Cat. No. : PC-43036
CAS No. : 4506-66-5
Molecular Formula : C₆H₁₄Cl₄N₄
Molecular Weight : 284.0142
Target : Focal Adhesion Kinase (FAK)
Solubility : H₂O: ≥ 59 mg/mL



Biological Activity

FAK inhibitor Y15 is a small molecule inhibitor targeting the main autophosphorylation site of **FAK**, specifically blocks phosphorylation of Y397-FAK (IC₅₀=1 uM) and total phosphorylation of FAK.

Y15 does not significantly decrease kinase activity of the other kinases (Pyk2 autophosphorylation).

Y15 directly and specifically decreases Y397-phosphorylation of FAK in vitro, inhibits cancer cell viability in vitro, causes detachment, decreases cell adhesion and blocks tumor growth in vivo.

References

Hochwald SN, et al. *Cell Cycle*. 2009 Aug;8(15):2435-43.

Zheng D, et al. *Mol Carcinog*. 2010 Feb;49(2):200-9.

Beierle EA, et al. *Cell Cycle*. 2010 Mar 1;9(5):1005-15.

Golubovskaya VM, et al. *J Med Chem*. 2008 Dec 11;51(23):7405-16.

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

E-mail: tech@probechem.com