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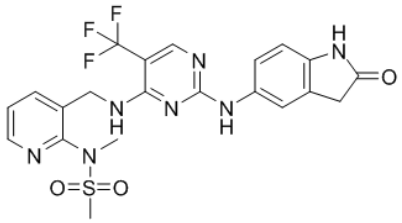
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	PF-562271
Cat. No.	:	PC-42601
CAS No.	:	717907-75-0
Molecular Formula	:	$C_{21}H_{20}F_3N_7O_3S$
Molecular Weight	:	507.4888
Target	:	Focal Adhesion Kinase (FAK)
Solubility	:	DMSO: ≥ 48 mg/mL



Biological Activity

PF-562271 (VS-6062) is a potent, selective, ATP-competitive, reversible inhibitor of **FAK** and **Pyk2** kinase with IC50 of 1.5 nM and 14 nM, respectively.
PF-562271 displayes robust inhibition in an inducible cell-based assay measuring phospho-FAK with IC50 of 5 nM.
PF-562271 inhibits FAK phosphorylation in vivo in a dose-dependent fashion (EC50=93 ng/mL) after in tumor-bearing mice; orally bioavailable.

References

Roberts WG, et al. ***Cancer Res***. 2008 Mar 15;68(6):1935-44.

Stokes JB, et al. ***Mol Cancer Ther***. 2011 Nov;10(11):2135-45.

Slack-Davis JK, et al. ***Mol Cancer Ther***. 2009 Aug;8(8):2470-7.

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