SZABO SCANDIC

Part of Europa Biosite

# Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

## Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

## Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand


**SZABO-SCANDIC HandelsgmbH**

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

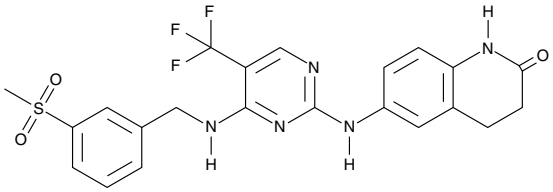
linkedin.com/company/szaboscandic

# Product Information

## PF-573228

*Item No. 14924*

**CAS Registry No.:** 869288-64-2
**Formal Name:** 3,4-dihydro-6-[[4-[[[3-(methylsulfonyl) phenyl]methyl]amino]-5-(trifluoromethyl)-2-pyrimidinyl] amino]-2(1H)-quinolinone
**Synonyms:** FAK Inhibitor II, Focal Adhesion Kinase Inhibitor II
**MF:** $C_{22}H_{20}F_3N_5O_3S$
**FW:** 491.5
**Purity:** ≥95%
**Stability:** ≥2 years at -20°C
**Supplied as:** A crystalline solid
**UV/Vis.:** $\lambda_{max}$: 292 nm



### Laboratory Procedures

For long term storage, we suggest that PF-573228 be stored as supplied at -20°C. It should be stable for at least two years.

PF-573228 is supplied as a crystalline solid. A stock solution may be made by dissolving the PF-573228 in the solvent of choice. PF-573228 is soluble in organic solvents such as DMSO and dimethyl formamide, which should be purged with an inert gas. The solubility of PF-573228 in these solvents is approximately 15 and 20 mg/ml, respectively.

PF-573228 is sparingly soluble in aqueous solutions. To enhance aqueous solubility, dilute the organic solvent solution into aqueous buffers or isotonic saline. If performing biological experiments, ensure the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

Focal adhesion kinases (FAKs) are non-receptor tyrosine kinases that play roles in regulating diverse processes, including cell adhesion, spreading, migration, proliferation, and apoptosis.[1] They are overexpressed in many types of cancer. PF-573228 inhibits FAK with $IC_{50}$ values of 4 and 30-100 nM for a purified recombinant catalytic fragment of FAK and in cultured cells, respectively.[2] It is 50-250-fold selective for FAK over other protein kinases.[2] PF-573228 can inhibit chemotactic and haptotactic migration of cells as well as prevent focal adhesion turnover.[2]

### References


1. Parsons, J.T., Slack-Davis, J., Tilghman, R., *et al.* Focal adhesion kinase: Targeting adhesion signaling pathways for therapeutic intervention. *Clin. Cancer Res.* **14(3)**, 627-632 (2008).
2. Slack-Davis, J.K., Martin, K.H., Tilghman, R.W., *et al.* Cellular characterization of a novel focal adhesion kinase inhibitor. *J. Biol. Chem.* **282(20)**, 14845-14852 (2007).


### Related Products

For a list of related products please visit: www.caymanchem.com/catalog/14924




**Cayman Chemical**

**Mailing address**
1180 E. Ellsworth Road
Ann Arbor, MI
48108 USA

**Phone**
(800) 364-9897
(734) 971-3335

**Fax**
(734) 971-3640

**E-Mail**
custserv@caymanchem.com

**Web**
www.caymanchem.com