



# 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

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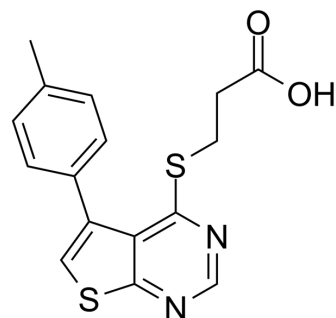
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## TTP 22

Cat. No.:	HY-15479		
CAS No.:	329907-28-0		
Molecular Formula:	C <sub>16</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> S <sub>2</sub>		
Molecular Weight:	330.42		
Target:	Casein Kinase		
Pathway:	Cell Cycle/DNA Damage; Stem Cell/Wnt		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 51 mg/mL (154.35 mM)  
 \* "≥" means soluble, but saturation unknown.

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.0265 mL	15.1323 mL	30.2645 mL
5 mM	0.6053 mL	3.0265 mL	6.0529 mL
10 mM	0.3026 mL	1.5132 mL	3.0265 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
 Solubility: ≥ 2.5 mg/mL (7.57 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

TTP 22 is a potent CK2 inhibitor, with an IC<sub>50</sub> of 100 nM and a K<sub>i</sub> of 40 nM.

#### IC<sub>50</sub> & Target

CK2  
 100 nM (IC<sub>50</sub>)

#### In Vitro

TTP 22 is a potent CK2 inhibitor, with an IC<sub>50</sub> of 100 nM and a K<sub>i</sub> of 40 nM. TTP 22 shows no effect on other kinases such as Jnk3, Rock1, Tie2, Ask1, Met and FGFR1 at 10 μM<sup>[1]</sup>.  
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## CUSTOMER VALIDATION

- Patent. US20200368248A1.
- Patent. US20180263995A1.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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## REFERENCES

[1]. Golub AG, et al. Synthesis and biological evaluation of substituted (thieno[2,3-d]pyrimidin-4-ylthio)carboxylic acids as inhibitors of human protein kinase CK2. Eur J Med Chem. 2011 Mar;46(3):870-6.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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