



# 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

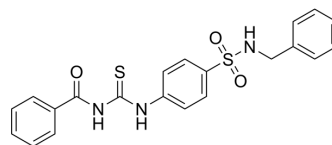
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## PU 23

<b>Cat. No.:</b>	HY-136217		
<b>CAS No.:</b>	817635-93-1		
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>19</sub> N <sub>3</sub> O <sub>3</sub> S <sub>2</sub>		
<b>Molecular Weight:</b>	425.52		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (293.76 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
<b>1 mM</b>	2.3501 mL	11.7503 mL	23.5007 mL
<b>5 mM</b>	0.4700 mL	2.3501 mL	4.7001 mL
<b>10 mM</b>	0.2350 mL	1.1750 mL	2.3501 mL

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

### BIOLOGICAL ACTIVITY

#### Description

PU 23 is a non-carboxylic multidrug resistance protein 4 (MRP4) inhibitor as an active agent reducing resistance to anticancer agent 6-Mercaptopurine<sup>[1]</sup>.

#### In Vitro

6-Mercaptopurine (6-MP) inhibits HEK293 and HEK293/MRP4 cells with IC<sub>50</sub>s of 2.81 and 14.11 μM, respectively. The combination of PU 23 (Cpd23) and 6-Mercaptopurine (6-MP) inhibits HEK293 and HEK293/MRP4 cells with IC<sub>50</sub>s of 1.84 and 6.06 μM, respectively<sup>[1]</sup>.

Preincubation of HEK293/MRP4 cells with PU 23 (50 μM) for 2 h also significantly increases the amount of 6-MP in cells<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Ya Chen, et al. Discovery of novel multidrug resistance protein 4 (MRP4) inhibitors as active agents reducing resistance to anticancer drug 6-Mercaptopurine (6-MP) by structure and ligand-based virtual screening. PLoS One. 2018 Oct 15;13(10):e0205175.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA