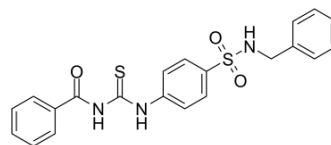


## PU 23

Cat. No.:	HY-136217
CAS No.:	817635-93-1
Molecular Formula:	C <sub>21</sub> H <sub>19</sub> N <sub>3</sub> O <sub>3</sub> S <sub>2</sub>
Molecular Weight:	425.52
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	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> .
<b>In Vitro</b>	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

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