



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### 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

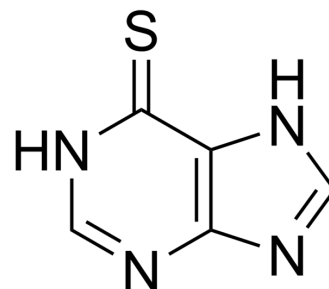
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

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

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

## 6-Mercaptopurine (Standard)

<b>Cat. No.:</b>	HY-13677R
<b>CAS No.:</b>	50-44-2
<b>Molecular Formula:</b>	C <sub>5</sub> H <sub>4</sub> N <sub>4</sub> S
<b>Molecular Weight:</b>	152.18
<b>Target:</b>	Nucleoside Antimetabolite/Analog; Autophagy; Endogenous Metabolite
<b>Pathway:</b>	Cell Cycle/DNA Damage; Autophagy; Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	6-Mercaptopurine (Standard) is the analytical standard of 6-Mercaptopurine. This product is intended for research and analytical applications. 6-Mercaptopurine is a purine analogue which acts as an antagonist of the endogenous purines and has been widely used as antileukemic agent and immunosuppressive drug.
<b>IC<sub>50</sub> &amp; Target</b>	endogenous purines <sup>[1]</sup>

### REFERENCES

- [1]. Sahasranaman S, et al. Clinical pharmacology and pharmacogenetics of thiopurines. *Eur J Clin Pharmacol.* 2008 Aug;64(8):753-67.
- [2]. Liu Q, et al. 6-Mercaptopurine augments glucose transport activity in skeletal muscle cells in part via a mechanism dependent upon orphan nuclear receptor NR4A3. *Am J Physiol Endocrinol Metab.* 2013 Nov 1;305(9):E1081-92.
- [3]. Kanemitsu H, et al. 6-Mercaptopurine (6-MP) induces cell cycle arrest and apoptosis of neural progenitor cells in the developing fetal rat brain. *Neurotoxicol Teratol.* 2009 Mar-Apr;31(2):104-9.

**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