



# 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

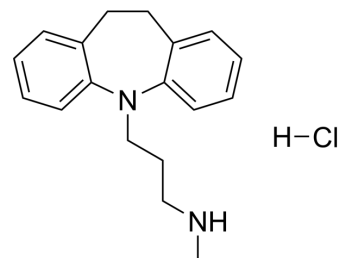
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

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

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## Desipramine hydrochloride (Standard)

<b>Cat. No.:</b>	HY-B1272R
<b>CAS No.:</b>	58-28-6
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>23</sub> ClN <sub>2</sub>
<b>Molecular Weight:</b>	302.84
<b>Target:</b>	Serotonin Transporter; Dopamine Transporter
<b>Pathway:</b>	Neuronal Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Desipramine (hydrochloride) (Standard) is the analytical standard of Desipramine (hydrochloride). This product is intended for research and analytical applications. Desipramine hydrochloride is an inhibitor of norepinephrine transporter (NET), 5-HT transporter (SERT) and dopamine transporter (DAT) with K <sub>i</sub> s of 4, 61 and 78,720 nM, respectively.
<b>IC<sub>50</sub> &amp; Target</b>	K <sub>i</sub> : 4 nM (NET), 61 nM (SERT), 78720 nM (DAT) <sup>[1]</sup>

### REFERENCES

- [1]. Torres GE, et al. Plasma membrane monoamine transporters: structure, regulation and function. *Nat Rev Neurosci.* 2003 Jan;4(1):13-25.
- [2]. Zhao Z, et al. Norepinephrine transporter regulation mediates the long-term behavioral effects of the antidepressant desipramine. *Neuropsychopharmacology.* 2008 Dec;33(13):3190-200.

**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