



# 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

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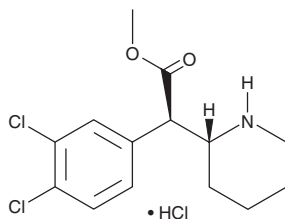
# PRODUCT INFORMATION



## (±)-*threo*-3,4-Dichloromethylphenidate (hydrochloride)

Item No. 18588

**CAS Registry No.:** 214149-42-5  
**Formal Name:** (αR,2R)-*rel*-α-(3,4-dichlorophenyl)-2-piperidineacetic acid, methyl ester, monohydrochloride  
**MF:** C<sub>14</sub>H<sub>17</sub>Cl<sub>2</sub>NO<sub>2</sub> • HCl  
**FW:** 338.7  
**Purity:** ≥98%  
**Supplied as:** A neat solid  
**Storage:** -20°C  
**Stability:** ≥1 year



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Description

(±)-*threo*-3,4-Dichloromethylphenidate (hydrochloride) (Item No. 18588) is an analytical reference material that is structurally categorized as an amphetamine. Its *threo*-diastereomer, 3,4-CTMP, can inhibit dopamine uptake through the dopamine transporter with an IC<sub>50</sub> value of 65 nM in rat striatal tissue.<sup>1</sup> This product is intended for research and forensic studies.

This product is qualified as a Reference Material that has been manufactured and tested to ISO/IEC 17025 and ISO 17034 international standards.

### Reference

1. Wayment, H.K., Deutsch, H., Schveri, M.M., *et al.* Effects of methylphenidate analogues on phenethylamine substrates for the striatal dopamine transporter: Potential as amphetamine antagonists? *J. Neurochem.* **72**, 1266-1274 (1999).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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