



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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) 

# PRODUCT INFORMATION



## RBI 257 (maleate)

Item No. 17223

**CAS Registry No.:** 911378-38-6  
**Formal Name:** N-[1-[(4-iodophenyl)methyl]-4-piperidiny]-N-methyl-3-(1-methylethoxy)-2-pyridinamine (2Z)-2-butenedioate

**MF:** C<sub>21</sub>H<sub>28</sub>IN<sub>3</sub>O • C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>

**FW:** 581.4

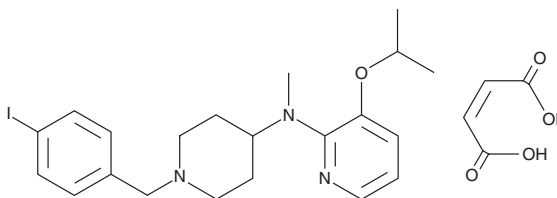
**Purity:** ≥95%

**UV/Vis.:** λ<sub>max</sub>: 240, 295 nm

**Supplied as:** A crystalline solid

**Storage:** -20°C

**Stability:** ≥4 years



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

### Laboratory Procedures

RBI 257 (maleate) is supplied as a crystalline solid. A stock solution may be made by dissolving the RBI 257 (maleate) in the solvent of choice, which should be purged with an inert gas. RBI 257 (maleate) is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of RBI 257 (maleate) in these solvents is approximately 30 mg/ml.

RBI 257 (maleate) is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, RBI 257 (maleate) should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. RBI 257 (maleate) has a solubility of approximately 0.5 mg/ml in a 1:1 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

### Description

RBI 257 is a potent dopamine D<sub>4</sub> receptor antagonist (K<sub>i</sub> = 0.3 nM) that is selective over D<sub>2L</sub>, D<sub>3</sub>, D<sub>2</sub>-like, and D<sub>1</sub> receptors by 1,721-, 439-, 1,336-, and 8,576-fold, respectively.<sup>1</sup>

### Reference

1. Kula, N.S., Baldessarini, R.J., Keabian, J.W., *et al.* RBI-257: A highly potent dopamine D<sub>4</sub> receptor-selective ligand. *Eur. J. Pharmacol.* **331**, 333-336 (1997).

#### 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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#### CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD  
ANN ARBOR, MI 48108 · USA

**PHONE:** [800] 364-9897

[734] 971-3335

**FAX:** [734] 971-3640

CUSTSERV@CAYMANCHEM.COM  
WWW.CAYMANCHEM.COM