



# SZABO SCANDIC

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## 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

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# PRODUCT INFORMATION



## WB 4101 (hydrochloride)

Item No. 29528

**CAS Registry No.:** 2170-58-3  
**Formal Name:** N-[2-(2,6-dimethoxyphenoxy)ethyl]-2,3-dihydro-1,4-benzodioxin-2-methanamine, monohydrochloride

**MF:** C<sub>19</sub>H<sub>23</sub>NO<sub>5</sub> • HCl

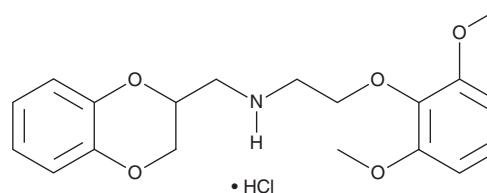
**FW:** 381.9

**Purity:** ≥95%

**Supplied as:** A crystalline solid

**Storage:** -20°C

**Stability:** ≥2 years



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

### Laboratory Procedures

WB 4101 (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the WB 4101 (hydrochloride) in the solvent of choice, which should be purged with an inert gas. WB 4101 (hydrochloride) is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of WB 4101 (hydrochloride) in these solvents is approximately 1 and 5 mg/ml, respectively.

### Description

WB 4101 is an antagonist of  $\alpha$ -adrenergic receptors ( $\alpha$ -ARs).<sup>1</sup> It inhibits norepinephrine-induced contraction of isolated rat vas deferens ( $pA_2 = 9.8$ ). WB 4101 also inhibits contractions induced by carbachol (carbamoylcholine; Item No. 14486) in isolated guinea pig taenia caeci ( $pA_2 = 8.9$ ).<sup>2</sup>

### References

1. Mottram, D.R. and Kapur, H. The  $\alpha$ -adrenoceptor blocking effects of a new benzodioxane. *J. Pharm. Pharmacol.* **27(4)**, 295-296 (1975).
2. Butler, M. and Jenkinson, D.H. Blockade by WB 4101 of  $\alpha$ -adrenoceptors in the rat vas deferens and guinea-pig taenia caeci. *Eur. J. Pharmacol.* **52(3-4)**, 303-311 (1978).

#### 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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