



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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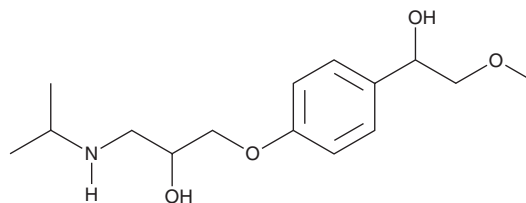
# PRODUCT INFORMATION



## $\alpha$ -hydroxy Metoprolol

Item No. 28020

CAS Registry No.: 56392-16-6  
Formal Name: 4-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]- $\alpha$ -(methoxymethyl)-benzenemethanol  
MF: C<sub>15</sub>H<sub>25</sub>NO<sub>4</sub>  
FW: 283.4  
Purity:  $\geq$ 98%  
Supplied as: A solid  
Storage: -20°C  
Stability:  $\geq$ 2 years



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

### Laboratory Procedures

$\alpha$ -hydroxy Metoprolol is supplied as a solid. A stock solution may be made by dissolving the  $\alpha$ -hydroxy metoprolol in the solvent of choice.  $\alpha$ -hydroxy Metoprolol is soluble in the organic solvent DMSO, which should be purged with an inert gas.

### Description

$\alpha$ -hydroxy Metoprolol is an active metabolite of the  $\beta_1$ -adrenergic receptor blocker metoprolol (Item No. 15429).<sup>1</sup> It is formed *via* metabolism of metoprolol by the cytochrome P450 (CYP) isoform CYP2D6.

### Reference

1. Cerqueira, P.M., Cesarino, E.J., Bertucci, C., *et al.* Stereoselective metabolism of metoprolol: Enantioselectivity of  $\alpha$ -hydroxymetoprolol in plasma and urine. *Chirality* **15(6)**, 542-549 (2003).

#### 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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