# Esmolol, beta₁ receptor antagonist ab146018

## Overview

**Product name**  
Esmolol, beta₁ receptor antagonist

**Description**  
Short-acting cardioselective β₁ receptor antagonist. Antiarrhythmic agent.

**Biological description**  

**Purity**  
> 98%

**CAS Number**  
81147-92-4

**Chemical structure**

![Chemical structure of Esmolol](image)

## Properties

**Chemical name**  
Methyl 3-[4-(2-hydroxy-3-propan-2-ylamino-propoxy)phenyl]propanoate

**Molecular weight**  
295.37

**Molecular formula**  
C₁₆H₂₅NO₄

**PubChem identifier**  
59768

**Storage instructions**  
Store at +4°C. The product can be stored for up to 12 months.

**Solubility overview**  
Soluble in water to 25 mM

**Handling**  
Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

**SMILES**  
CC(C)NCC(COC1=CC=C(C=C1)CCC(=O)OC)O

**Source**  
Synthetic
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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- Replacement or refund for products not performing as stated on the datasheet
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