



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

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

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

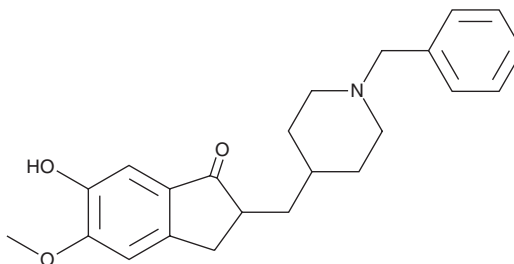
PRODUCT INFORMATION



6-O-desmethyl Donepezil

Item No. 27175

CAS Registry No.: 120013-56-1
Formal Name: 2,3-dihydro-6-hydroxy-5-methoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-1H-inden-1-one
MF: C₂₃H₂₇NO₃
FW: 365.5
Purity: ≥98%
Supplied as: A 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

6-O-desmethyl Donepezil is supplied as a solid. A stock solution may be made by dissolving the 6-O-desmethyl donepezil in the solvent of choice. 6-O-desmethyl Donepezil is soluble in organic solvents such as chloroform and methanol, which should be purged with an inert gas.

Description

6-O-desmethyl Donepezil is an active metabolite of the acetylcholinesterase inhibitor donepezil (Item No. 13245).¹ It is formed through dealkylation by the cytochrome P450 (CYP) isoform CYP2D6.² It inhibits human ether a go-go (hERG) channels (IC₅₀ = 1.5 μM in HEK293 cells expressing hERG).¹

References

1. Chae, Y.J., Lee, H.J., Jeon, J.H., *et al.* Effects of donepezil on hERG potassium channels. *Brain Res.* **1597**, 77-85 (2015).
2. Matsui, K., Taniguchi, S., and Yoshimura, T. Identification of cytochrome P450 involved in the metabolism of donepezil and in vitro drug interaction study in human liver microsomes. *Drug Metab. Pharmacokinet.* **15(2)**, 101-111 (2000).

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.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 03/06/2019

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