



# 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

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2-APB

TRP blocker

Catalog No. SIH-316



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

2-APB

### Description

TRP blocker

### Purity

>98%

### CAS No.

524-95-8

### Molecular Formula

C<sub>11</sub>H<sub>11</sub>BNO

### Molecular Weight

225.1

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble to 100 mM in DMSO and to 10 mM in ethanol

### Source

Synthetic

### Appearance

White solid

### SMILES

B(C1=CC=CC=C1)(C2=CC=CC=C2)OCCN

### InChI

InChI=1S/C<sub>14</sub>H<sub>16</sub>BNO/c16-11-12-17-15(13-7-3-1-4-8-13)14-9-5-2-6-10-14/h1-10H,11-12,16H2

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**InChIKey**

BLZVCIGGICSWG-UHFFFAOYSA-N

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**Safety Phrases**

Classification: Caution: Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Hazard Phrases:

H302-H315-H317-H318-H335

Precautionary Phrases:

P261-P280-P305 + P351 + P338

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**Cite This Product**

2-APB (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-316)

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**Biological Description**

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**Alternative Names**

2-Aminoethoxydiphenylborane

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**Research Areas**

Ion Channels, Neuroscience, Transient Receptor Potential Channels

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**PubChem ID**

1598

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**Scientific Background**

2-APB is a chemical that acts to inhibit IP3 receptors (1) and TRP channels (2). It is used to manipulate intracellular release of calcium ions and modify TRP channel activity. There is also evidence that 2-APB acts directly to inhibit gap junctions made of connexin26 or connexin32 (3).

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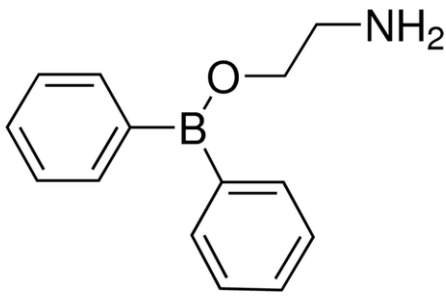
**References**

1. Diver J.M., Sage S.O., Rosado J.A. (2001) Cell Calcium. 30(5): 323-329
  2. Xu S.Z., et al. (2005) Br J Pharamcol. 145(4): 320-328.
  3. Tao L., and Harris A.L. (2007) Mol Pharmacol. 71(2): 570-579.
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**Product Images**

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Chemical structure of 2-APB (SIH-316), a TRP blocker. CAS #: 524-95-8. Molecular Formula: C<sub>14</sub>H<sub>16</sub>BNO. Molecular Weight: 225.1 g/mol.



## Product Citations (0)

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Currently there are no citations for this product.

## Reviews

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There are no reviews yet.