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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC Handels GmbH

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

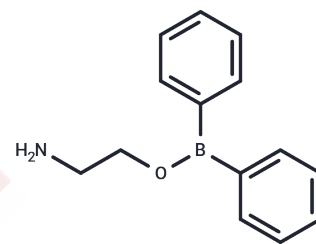
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2-Aminoethyl diphenylborinate

Chemical Properties

CAS No. :	524-95-8
Formula:	C ₁₄ H ₁₆ BN ₂ O
Molecular Weight:	225.09
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	2-Aminoethyl diphenylborinate (2-APB) is a chemical that acts to inhibit both IP3 receptors and TRP channels (although it activates TRPV1, TRPV2, & TRPV3 at higher concentrations).
Targets(IC50)	Calcium Channel,TRP/TRPV Channel

Solubility Information

Solubility	DMSO: 55 mg/mL (244.35 mM),Heating is recommended. Ethanol: 10 mM,Heating is recommended. 5% DMSO+95% Saline: 1.13 mg/mL (5 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4427 mL	22.2133 mL	44.4267 mL
5 mM	0.8885 mL	4.4427 mL	8.8853 mL
10 mM	0.4443 mL	2.2213 mL	4.4427 mL
50 mM	0.0889 mL	0.4443 mL	0.8885 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Zheng Q, Zou Y, Teng P, et al. Mechanosensitive Channel PIEZO1 Senses Shear Force to Induce KLF2/4 Expression via CaMKII/MEKK3/ERK5 Axis in Endothelial Cells. Cells. 2022, 11(14): 2191

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481