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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Ebselen

Protein Kinase C inhibitor
Catalog No. SIH-204



Discovery through partnership | Excellence through quality

Overview

Product Name

Ebselen

Description

Protein Kinase C inhibitor

Purity

>99%

CAS No.

60940-34-3

Molecular Formula

C₁₁H₁₁NOSe

Molecular Weight

274.18

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO and 100% ethanol

Source

Synthetic

Appearance

Off-white Solid

SMILES

C1=CC=C(C=C1)N2C(=O)C3=CC=CC=C3[Se]2

InChI

InChI=1S/C13H9NOSe/c15-13-11-8-4-5-9-12(11)16-14(13)10-6-2-1-3-7-10/h1-9H

InChIKey

DYEFUKCXAQOFHX-UHFFFAOYSA-N

Safety Phrases

Classification: Harmful: May be harmful if inhaled, swallowed or absorbed through skin.

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

Risk Phrases:

23/25-33-50/53

Hazard Phrases:

H301-H331-H373-H410

Precautionary Phrases:

P261-P273-P301 + P310-P311-P501

Cite This Product

Ebselen (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-204)

Biological Description

Alternative Names

2-Phenyl-1,2-benzoselenazol-3(2H)-one

Research Areas

Cancer, Apoptosis

PubChem ID

3194

Scientific Background

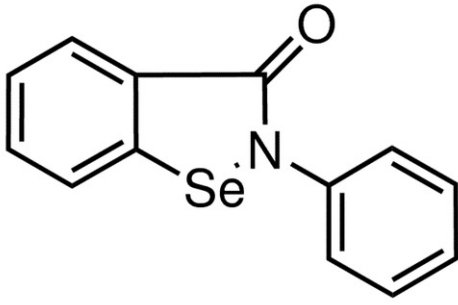
Ebselen or 2-phenyl-1, 2-benzisoselenazol-3(2H)-one (also called PZ 51 or DR3305), is a mimic of glutathione peroxidase and can also react with peroxynitrite (1). It is being investigated as a possible treatment for reperfusion injury and stroke (2, 3), as well as tinnitus (4). Ebselen is a potent scavenger of hydrogen peroxide as well as hydroperoxides including membrane bound phospholipid and cholesterylester hydroperoxides.

References

1. Schewe T. (1995) Gen Pharmacol. 26(6): 1153-1169.
 2. Parnham M., Seis H. (2000) Expert Opin Investig Drugs. 9(3): 607-619.
 3. Yamaguchi T., et al. (1998) Stroke. 29(1): 12-17.
 4. Kil J., Pierce C., Tran H., Gu R., Lynch E.D. (2007) Hearing Research. 226(1-2): 44-51.
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Product Images

Chemical structure of Ebselen (SIH-204), a Glutathione peroxidase mimic. CAS #: 60940-34-3. Molecular Formula: C₁₃H₉NOSe. Molecular Weight: 274.18 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.