**Product overview**

**Name**
Lonidamine

**Cat No**
HB0993

**Short description**
Mitochondrial hexokinase inhibitor

**Biological description**
Mitochondrial hexokinase inhibitor; inhibits glycolysis. Blocks CFTR channel currents ($K_d = 58 \mu M$). Shows antispermatogenic and antitumor actions.

**Biological action**
Inhibitor

**Purity**
>98%

**Properties**

**Chemical name**
1-[(2,4-Dichlorophenyl)methyl]-1$H$-indazole-3-carboxylic acid

**Molecular Weight**
321.16

**Chemical structure**

![Chemical structure](image)

**Molecular Formula**
C$_{15}$H$_{10}$Cl$_2$N$_2$O$_2$

**CAS Number**
50264-69-2

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**Storing and Using Your Product**

**Storage instructions**
room temperature

**Solubility overview**
soluble in ethanol (5mM) or DMSO (100mM)

**Important**
This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

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**References for Lonidamine**

**Mechanism of lonidamine inhibition of the CFTR chloride channel.**


**PubMedID:**
12411425
Lonidamine: basic science and rationale for treatment of prostatic proliferative disorders.
PubMedID: 16986057

Recent studies on lonidamine, the lead compound of the antispermatic indazol-carboxylic acids.
PubMedID: 12020777