



# SZABO SCANDIC

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## 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

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# Decitabine

DNA hypomethylation agent  
Catalog No. SIH-352



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Decitabine

### Description

DNA hypomethylation agent

### Purity

>98% (TLC); NMR (Conforms)

### CAS No.

2353-33-5

### Molecular Formula

C<sub>11</sub>H<sub>11</sub>N<sub>3</sub>O<sub>2</sub>

### Molecular Weight

228.2

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble in 25 mg/ml DMSO, 11 mg/ml Water or Ethanol

### Source

Synthetic

### Appearance

White Solid

### SMILES

C1[C@@H]([C@H](O[C@H]1N2C=NC(=NC2=O)N)CO)O

### InChI

InChI=1S/C8H12N4O4/c9-7-10-3-12(8(15)11-7)6-1-4(14)5(2-13)16-6/h3-6,13-14H,1-2H2,(H2,9,11,15)/t4-,5+,6+/m0/s1

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**InChIKey**

XAUDJQYHKZQPEU-KVQBGUIXSA-N

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**Safety Phrases**

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

Safety Phrases:

S22 - Do not breathe dust

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

S24/25- Avoid contact with skin and eyes

Hazard Statements:

H341 Suspected of causing genetic defects

H360 May damage fertility or the unborn child

Precautionary Statements:

P280 Wear protective gloves/protective clothing/ eye protection/ face protection

P308+313 If exposed or concerned: Get Medical Advice/Attention

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**Cite This Product**

Decitabine (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-352)

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**Biological Description**

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**Alternative Names**

5-Aza-2-deoxycytidine; NSC-127716, 2'-Deoxy-5-azacytidine; 4-Amino-1-(2-deoxy-?-D-erythro-pentofuranosyl)-1,3,5-triazin-2(1H)-one

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**Research Areas**

Cancer, Cell Signaling, Epigenetics

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**PubChem ID**

451668

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**Scientific Background**

Inhibits DNA methyltransferase. Induces demethylation and reactivation of silenced genes. Increases stem cell reprogramming efficiency. Stimulates osteogenic differentiation of human bone marrow stromal cells. Antitumor agent. Cell permeable.

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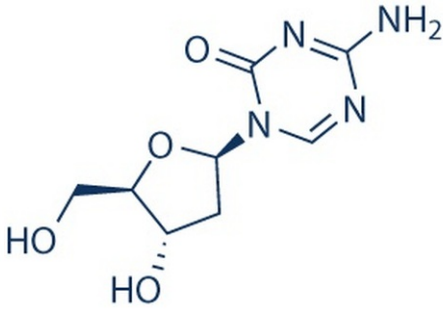
**References**

1. Bender C.M., et al. (1998) Cancer Res. 58: 95.
  2. El-Serafi A.T., et al. (2011) Differentiation 81: 35.
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**Product Images**

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Chemical structure of Decitabine (SIH-352), a DNA hypomethylation agent. CAS #: 2353-33-5. Molecular Formula: C<sub>8</sub>H<sub>12</sub>N<sub>4</sub>O<sub>4</sub>. Molecular Weight: 228.2 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.