



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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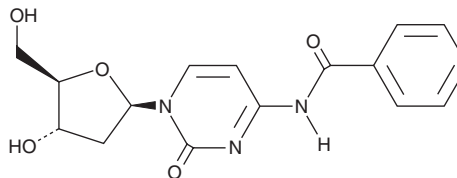
# PRODUCT INFORMATION



## N<sup>4</sup>-benzoyl-2'-Deoxycytidine

Item No. 39934

**CAS Registry No.:** 4836-13-9  
**Formal Name:** N-benzoyl-2'-deoxy-cytidine  
**Synonym:** N<sup>4</sup>-benzoyl-dC  
**MF:** C<sub>16</sub>H<sub>17</sub>N<sub>3</sub>O<sub>5</sub>  
**FW:** 331.3  
**Purity:** ≥98%  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:** ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

N<sup>4</sup>-benzoyl-2'-Deoxycytidine is supplied as a solid. A stock solution may be made by dissolving the N<sup>4</sup>-benzoyl-2'-deoxycytidine in the solvent of choice, which should be purged with an inert gas. N<sup>4</sup>-benzoyl-2'-Deoxycytidine is soluble in DMSO and methanol.

### Description

N<sup>4</sup>-benzoyl-2'-Deoxycytidine is a building block and derivative of the pyrimidine nucleoside 2'-deoxycytidine (Item Nos. 34708 | 30125).<sup>1,2</sup> It has been used in the synthesis of nucleosides and nucleotides with anticancer activity, as well as oligonucleotides.

### References

1. Yamaguchi, T. and Saneyoshi, M. Synthetic nucleosides and nucleotides. XXI. On the synthesis and biological evaluations of 2'-deoxy- $\alpha$ -D-ribofuranosyl nucleosides and nucleotides. *Chem. Pharm. Bull. (Tokyo)* **32(4)**, 1441-1450 (1984).
2. Cazenave, C., Bathany, K., and Rayner, B. Formation of N-branched oligonucleotides as by-products in solid-phase oligonucleotide synthesis. *Oligonucleotides* **16(2)**, 181-185 (2006).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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