SZABO SCANDIC

Part of Europa Biosite

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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

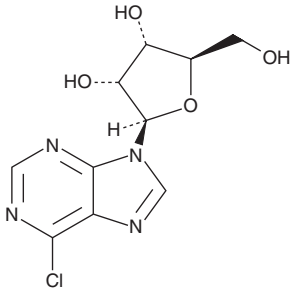
www.szabo-scandic.com

linkedin.com/company/szaboscandic

PRODUCT INFORMATION

6-Chloropurine Riboside

Item No. 36002



CAS Registry No.: 5399-87-1
Formal Name: 6-chloro-9-β-D-ribofuranosyl-9H-purine
Synonym: NSC 4910
MF: $C_{10}H_{11}ClN_4O_4$
FW: 286.7
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

6-Chloropurine riboside is supplied as a solid. A stock solution may be made by dissolving the 6-chloropurine riboside in the solvent of choice, which should be purged with an inert gas. 6-Chloropurine riboside is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of 6-chloropurine riboside in these solvents is approximately 5 and 2 mg/ml, respectively.

Description

6-Chloropurine riboside is a nucleoside precursor.[1] It has been used in the synthesis of adenosine derivatives with antiproliferative activity in human gastric cancer cells expressing the adenosine A_3 receptor. 6-Chloropurine riboside has also been used in the synthesis of N^6-benzyladenosine derivatives with antiproliferative activity in a variety of cancer cells or inhibitory activity against *T. gondii* replication in CRL-1634/Hs27 human skin fibroblasts.[2,3]

References

1. Zurita, F.V., Vega, N.B., and Cabrera, M.G. Semisynthesis, characterization and evaluation of new adenosine derivatives as antiproliferative agents. *Molecules* **23(5)**, 1111 (2018).
2. Dolezal, K., Popa, I., Hauserová, E., *et al.* Preparation, biological activity and endogenous occurrence of N^6-benzyladenosines. *Bioorg. Med. Chem.* **15(11)**, 3737-3747 (2007).
3. Kim, Y.A., Sharon, A., Chu, C.K., *et al.* Synthesis, biological evaluation and molecular modeling studies of N^6-benzyladenosine analogues as potential anti-toxoplasma agents. *Biochem. Pharmacol.* **73(10)**, 1558-1572 (2007).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM