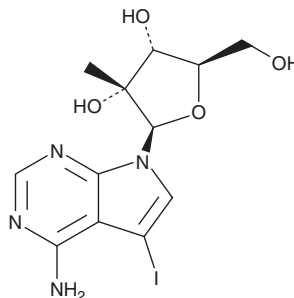


PRODUCT INFORMATION

5-Iodo-7-(2-C-methyl-β-D-ribofuranosyl)-7H-pyrrolo[2,3-d]pyrimidin-4-amine

Item No. 46559

CAS Registry No.: 847551-49-9
Synonym: 4-Amino-5-iodo-7-(2-C-methyl-β-D-ribofuranosyl)-7H-pyrrolo[2,3-d]pyrimidine
MF: C₁₂H₁₅IN₄O₄
FW: 406.2
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

5-Iodo-7-(2-C-methyl-β-D-ribofuranosyl)-7H-pyrrolo[2,3-d]pyrimidin-4-amine is supplied as a solid. A stock solution may be made by dissolving the 5-iodo-7-(2-C-methyl-β-D-ribofuranosyl)-7H-pyrrolo[2,3-d]pyrimidin-4-amine in the solvent of choice, which should be purged with an inert gas. 5-Iodo-7-(2-C-methyl-β-D-ribofuranosyl)-7H-pyrrolo[2,3-d]pyrimidin-4-amine is slightly soluble (0.1-1 mg/ml) in ethanol and soluble (≥10 mg/ml) in DMSO.

Description

5-Iodo-7-(2-C-methyl-β-D-ribofuranosyl)-7H-pyrrolo[2,3-d]pyrimidin-4-amine is a synthetic intermediate and an iodinated derivative of the nucleoside antiviral agent MK-0608 (lamevudine; Item No. 39925).¹ It has been used in the synthesis of nucleoside derivatives with antiviral activity.

Reference

1. Di Francesco, M.E., Avolio, S., Dessole, G., *et al.* Synthesis and antiviral properties of novel tetracyclic nucleoside inhibitors of hepatitis C NS5B polymerase. *Nucleosides Nucleotides Nucleic Acids* **31**(8), 592-607 (2012).

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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