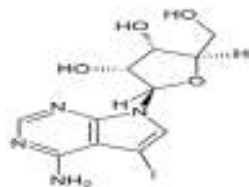


5-Iodotubercidin

ALTERNATE NAME: NSC113939
7-Iodo-7-deazaadenosine
4-Amino-5-iodo-7-(β -D-ribofuranosyl)pyrrolo[2,3-d]pyrimidine
5-Iodotubericidin
NSC-113939

CATALOG #: B2721-2 2 mg
B2721-10 10 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{11}H_{13}IN_4O_4$

MOLECULAR WEIGHT: 392.15

CAS NUMBER: 24386-93-4

APPEARANCE: Off-white solid

PURITY: $\geq 90\%$ by HPLC

SOLUBILITY: >15 mg/ml DMSO

DESCRIPTION: 5-Iodotubercidin is a potent adenosine kinase inhibitor ($IC_{50} = 26$ nM). 5-Iodotubercidin initiates glycogen synthesis in isolated hepatocytes by causing inactivation of phosphorylase and activation of glycogen synthase. 5-Iodotubercidin also acts as an activator for p53 and favors tumor suppression and may serve as a potential chemotherapeutic agent.

STORAGE TEMPERATURE: $-20^{\circ}C$. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Adenosine kinase, Human Recombinant (P1234)
Reversine (1851)
Adenylate Kinase (AK) Activity Assay Kit (Colorimetric/Fluorometric) (K350)
Human Recombinant AK2 (6386)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*