

# Forodesine

## Catalog No: tcsc3781



### Available Sizes

**Size:** 2500ug

**Size:** 5mg

**Size:** 10mg

**Size:** 2500μg



### Specifications

**CAS No:**

209799-67-7

**Formula:**

$C_{11}H_{14}N_4O_4$

**Pathway:**

Cell Cycle/DNA Damage

**Target:**

Nucleoside Antimetabolite/Analog

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

BCX-1777 freebase;Immucillin-H

**Observed Molecular Weight:**

266.25

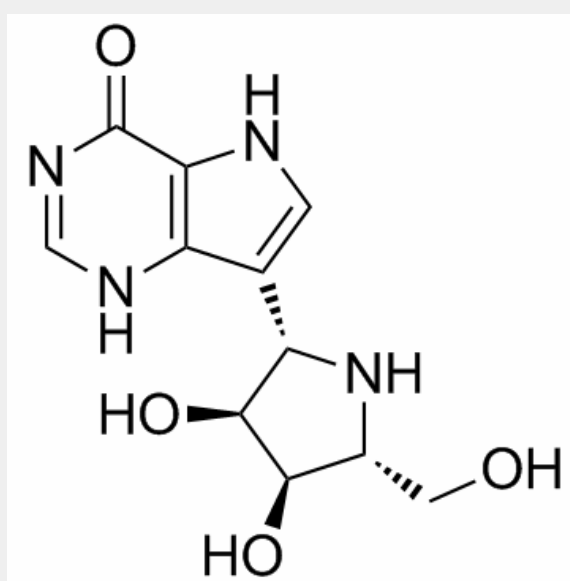
## Product Description

Forodesine(BCX-1777 freebase; Immucillin-H) is an orally bioavailable PNP inhibitor with picomolar potency; induces apoptosis, mainly in T cells.

IC50 value:

Target: PNP inhibitor

Forodesine and ara-G cytotoxicities were higher in T-cell acute lymphoblastic leukemia (T-ALL) samples than in B-cell precursor (BCP)-ALL and acute myeloid leukemia (AML) samples. Resistance to forodesine did not preclude ara-G sensitivity and vice versa, indicating that both drugs rely on different resistance mechanisms [1]. BCX1777 was well tolerated at doses up to 300 mg once daily and showed preliminary evidence of activity in relapsed or refractory peripheral T/natural killer-cell malignancies, warranting further investigation [2]. after 48 hours of treatment with forodesine there was a slight dGTP increase in 5T33MM and RPMI-8226 MM cells associated with partial inhibition of proliferation and a limited induction of apoptosis [3]. In the presence of 10  $\mu$ M deoxyguanosine, forodesine effectively inhibited the growth of CEM cells but not that of CEM/ara-G cells [4].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!