

Guadecitabine

Catalog No: tcsc3089



Available Sizes

Size: 5mg

Size: 10mg



Specifications

CAS No:

929901-49-5

Formula:

$C_{18}H_{24}N_9O_{10}P$

Pathway:

Epigenetics

Target:

DNA Methyltransferase

Purity / Grade:

>98%

Solubility:

H₂O

Alternative Names:

SGI-110

Observed Molecular Weight:

557.41

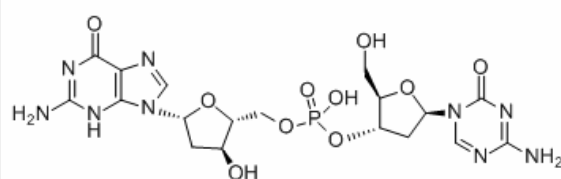
Product Description

Guadecitabine (SGI-110) is a **DNA methyltransferases (DNMT)** inhibitor.

IC50 & Target: DNMT^[1]

In Vitro: Exposure to Guadecitabine induces the expression of investigated cancer/testis antigens (CTA) in CTA-negative cancer cells. Results show that Guadecitabine induces and/or strongly up-regulates the constitutive levels of MAGE-A3- and NY-ESO-1-specific mRNA expression in neoplastic cells of all histotypes investigated. Exposure to Guadecitabine significantly (p[2]).

In Vivo: Guadecitabine (S110) is effective at retarding tumor growth. While the tumors do not shrink in size with Guadecitabine treatment, they experience very minimal growth while the tumors treated with PBS only show substantial growth. In addition, Guadecitabine induces much less toxicity as determined by mouse weight changes when given subcutaneously (SQ) compare to that with IP injections^[3].



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